9/8/1997 74.47

83,000

7,100

14,000 1,900

7,400

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																										•											Well ID	
	6/5/1997	2/26/1997	12/18/1996	9/12/1996	9/12/1996	6/11/1996	6/11/1996	3/6/1996	3/6/1996	12/4/1995	12/4/1995	9/20/1995	9/20/1995	6/20/1995	6/20/1995	3/20/1995	3/20/1995	12/20/1994	12/20/1994	9/20/1994	9/20/1994	-6/29/1994	6/29/1994	. 2/11/1994	2/11/1994	11/5/1993	11/5/1993	7/20/1993	4/12/1993	2/25/1993	12/3/1992	9/14/1992	12/17/1991	10/8/1991			Date Sampled	
•	74.87	75.68	75.22	74.34	74.34	74.89	74.89	75.67	75.67	74.82	74.82	75.37	75.37	76.05	76.05	75.76	75.76	1	1	l	ı	1	1	r	1	ı	ı	75.42	76.57	77.25	74.73	74.97	74.34	73.98	EPA Method:	(feet above msl)	Groundwater Elevation	
	1,300	11,000	9,800	4,200	3,700	35,000	100,000	97,000	7,500	2,600	160,000	9,700	170,000	5,490	77,600	70,000	86,000	2,000	91,000	3,400	100,000	130,000	22,000	20,000	120,000	23,000	130,000	68,000	66,000	37,000	21,000	23,000	670	288.4	8260	(μg/L)	ТРНg	
5	320	1,700	4,600	2,000	1,800	. 000,11	23,000	20,000	2,300	810	29,000	3,100	30,000	2,000	15,400	20,000	23,000	760	25,000	1,700	31,000	37,000	10,000	7,500	33,000	9,600	37,000	13,000	12,000	6,200	6,500	10,000	130	96.4	8260	(μg/L)	Benzene	
	120	1,200	1,700	570	500	9,800	42,000	29,000	1,200	450	45,000	580	51,000	440	24,400	23,000	30,000	270	24,000	350	43,000	51,000	6,800	5,800	48,000	7,400	49,000	15,000	17,000	8,300	4,500	6,100	100	11.7	8260	(µg/L)	Toluene	Hi Theyron Sta
9	59	320	350	120	110	1,200	2,600	2,500	270	120	3,600	380	3,800	260	2,670	2,200	2,800	85	1,900	180	3,400	3,400	890	860	3,600	700	3,200	1,100	1,900	980	490	660	10	8.5	8260	(µg/L)	Ethyl- Benzene	Historical Groundwater Analytical Data Station 9-3417, 32001 Camino Capistrano,
1	130	920	1,200	410	360	5,000	17,000	12,000	850	310	20,000	810	21,000	710	14,100	11,000	14,000	240	12,000	400	18,000	20,000	3,300	3,100	19,000	3,000	20,000	6,600	11,000	5,500	1,700	2,100	54	8.8	8260	(μg/L)	Total Xylenes	roundwate 7, 32001 C
	ı	1	-	1		1	1	1,	í	ı	i	ŀ	1	1	-1	ı	1	1	i	1	ı	-1	1	ı	1	1	1	1	1		1	1	1		8260	(μg/L)	MTBE	er Analyt amino Ca
\	. 11	<10	250	130	120	540	1,400	ı	1	1	1	i i	i	ı	. 1	1	ı	1	1.	ı	ı	ı	t	ı	ı	1	1	1	4	ı	ı	t	1	1	8020/8021	(μg/L)	МТВЕ	Historical Groundwater Analytical Data Chevron Station 9-3417, 32001 Camino Capistrano, California
	ı	1.	ı	1	1	t	1	ı	1	ı	1	1	1	ı	ť	ı	1	1	1	i i	1	1	ı	1	i	1	1	1	1	t	1	ı	ı	ı	8260	(μg/L)	ЕТВЕ	lifornia
	1	ı	ı	t	1	ť	í	1	1	1	ı	1	1	ı	ı	ı	ı	1	1	1	1	t	ı	1	ı	ı	i	ı	1	1	1	ì	1	1	8260	$(\mu g/L)$	DIPE	
	ı	1	}	1	ı	ŧ.	f	1	ţ.	1	. 1	ı	1	i	í	1	1	1	ì	1	1	į	ı	1	ı	I.	1	ı	ı	1	1 -	:	;	,	8260	(μg/L)	TAME	
i	ı	ŧ	ı	1	ı	1	ı	ı	l 	. 1	. 1	1	ı	ı	ı	ı	1	ı	1	ı	ŧ	t	ı	1	i	.1	ı	1	ı	ı	1	ı	ı	1	8260	(μg/L)	TBA	
i				i_	1_		1-	l				1_	1	l_	i_	1_		l	-	l_	_1_	t	_1	_1_	1			- !	_1	_!	I	_!	-1	-1-	8260	(பித்ப)	Ethanol	
	:	:	:		ı.	. ;	;	•	;	:	į	i			ŀ	1	:	1	:		:	:	:	:			;	•	:			;	;	:			Comments	
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Table 2.
Historical Groundwater Analytical Data
Chevron Station 9-3417, 32001 Camino Capistrano, California

																				•																		
			·													•																	•				Well ID	
6/8/2005	200216216	2002/2015	11/3/2004	7/12/2004	4/8/2004	1/8/2004	10/7/2003	7/7/2003	4/11/2003	1/27/2003	11/13/2002	8/8/2002	5/10/2002	2/6/2002	11/1/2001	8/3/2001	5/3/2001	1/22/2001	10/19/2000	7/21/2000	4/20/2000	2/17/2000	2/17/2000	12/1/1999	8/4/1999	6/3/1999	1/25/1999	10/31/1998	7/29/1998	7/29/1998	4/20/1998	4/20/1998	11/13/1997	11/13/1997			Sampled	Date
/8.10	29.10	70.40	78.17	77.64	78.19	78.12	78.40	78.62	78.90	78.24	78.21	77.92	75.79	75.82	75.80	75.95	76.46	76.05	75.37	75.50	76.23	I	75.75	75.58	75.73	76.12	76.34	76.29	76.53	76.53	77.32	77.32	74.34	74.34	EPA Method:	(feet above msl)	Elevation	Groundwater
3,500	3 500	1 900	4.000	1,500	3,300	32,000	26,000	3,600	2,400	3,300	18,300	11,600	4,700	6,160	3,930	4,880	8,640	4,930	5,670	688 J	9,490 J	25,300	4,950 J	3,410 J	70 J	12,590 J	11,060	8,670	5,600	3,600	19,000	18,000	62,000	63,000	8260	(µg/L)	TPHg	
9/0	020	1 100	1,100	340	690	6,200	6,200	720	590	790	1,330	1,720	812	1,410	850	744	1,290	843	850	1,910	833	3,200	820	490	<u>۵</u>	950	348	714	1,400	630	3,000	2,900	14,000	14,000	8260	(μg/L)	Benzene	
ore	610	1.100	1,400	200	550	7,700	7,400	430	290	510	2,570	1,730	1,000	1,780	893	553	155	725	582	232	830	3,500	220	355	<0.3	820	422	758	970	350	3,100	3,100	17,000	17,000	8260	$(\mu g/L)$	Toluene	,
100	160	280	230	44 J	120	1,400	1,400	150	93	130	212 J	290	139	216	353	110	94	148	70	147	153	570	20	50	<u>\$0.3</u>	83	103	123	260	130	800	750	2,100	2,100	8260	(μg/L)	Benzene	Ethyl-
370	370	710	1,000	170	460	6,100	5,200	550	340	420	1,120	1,120	569	868	951	486	355	427	724	528	535	1,500	700	270	0.6	460	330	462	640	270	1,800	1,800	9,100	9,100	8260	(µg/L)	S	Total
1	<u> </u>	75	120	41 J	53	1,100	1,500	280	360	310	830	1,050	374	2,210	706	206	5,340	1,020	14	318	861	132	i	1	1	ı	ı	i .	. 1	1	1	1	1	ï	8260	(μg/L)	MTBE	
- 1	l	I	i	1	1.	t	1,	1	i	,1	1	ı		1	1	1	ı	1	1	688	836	305	250	63 J	70	<500	^10	54	38	79	. 88	82 .	<10	<u><10</u>	8020/8021	$(\mu g/L)$	MTBE	
á	^ <u>^</u>	Ş	۵	8	<20	^100	<400	<u>~10</u>	۵	~40	^ 50	· <10	<10	<u>^</u>	Δ		۵	^	Δ	ı	ı	t	1	:	ţ	ł	;	ı	ı	}	1	ı	1	1.	8260	(µg/L)	ETBE	:
á	^40 0	20		<20	20	<100	<400	<10	۵	~40			<u><10</u>	Δ	^	<u>^</u>	Δ	. △	^		ı	ı	I	ı	t	1	1	ı	ı	1	I	ı	1	!	8260	(μg/L) (DIPE 7	
4	<40	<u>^</u> 20	4.2 J	<20	<20	100	<400	<10	3.6 J	<40	<50	1 0	<u><10</u>	Δ	Δ	^	20	^	Δ	1	ı	:	1	1	1	1		İ	1	1	ı	1	1	1	8260	(µg/L)	TAME	
200	S	<u>^</u> .	120	120 J	<100	<500	<2,000	220	320	440 J	442 J	1080	494	1910	1500	37	3750	<20	<20	ł	1	ı	1	1	1	1	I	ı	1	ı	1	ı	1	1	8260	(μg/L)	TBA	
	٥ <u></u>	ī	1	1	1	ī	1	-1-	-1-	Ţľ	-,-	-)-	-1-	1	-1-	-j-	1	-1-	7-	-1-	-1-	-;	-1-	-1	-1-	-1-	-1-	<u>.</u> i.	-1-	-1	-1	-1-	-1	-1-	8260	(µg/L)	Ethanol	
	;	:	:	:	:	:	:	:	:	;				ì	;	1	:	:	:		:	After purge sample	Before purge sample	:	;		:		:	:		:		:			Comments	

2/17/2000

74.88

193 J

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Table 2.

			o ·	Hi: hevron Star	Historical Groundwater Analytical Data Station 9-3417, 32001 Camino Capistrano.	oundwate	r Analyt amino Ca	Historical Groundwater Analytical Data Chevron Station 9-3417, 32001 Camino Canistrano, California	lifornia			f.	···	
Date Sampled	Groundwater Elevation	ТРНд	Benzene	Toluene	Ethyl- Benzene	Total Xylenes	МТВЕ	MTBE	ЕТВЕ	DIPE	TAME	ТВА	Ethanol	Comments
	(feet above msl)	(μg/L)	(µg/L)	(µg/L)	(μg/L)	(µg/L)	(μg/L)	$(\mu g/L)$	(µg/L)	(µg/L)	(µg/L)	(μg/L)	(µg/L)	
	EPA Method:	8260	8260	8260	8260	8260	8260	8020/8021	8260	8260	8260	8260	8260	
6/28/1991	ı	<500	-0.3	60.3	0.7	0.7	1		1	ı	1	ı		•
8/8/1991	1	500	∆ 0.3	<0.3	<0.3	<0.6	1	1	1	ı	1	t	1	3,
10/8/1991	1	500	<0.3	6 .3	0.7	0.7	I	Į.	1	1	:	. 1	1	:
12/17/1991	73.69	<u> </u>	<u>\$</u>	0.3	<0.3	<0.6	1	t	r'	ı	ŧ	1		:
9/14/1992	74.41	<u>۵</u>	6 .3	6 0.3	△0.3	<0.6	J	ı	ı	ı	ı	ı		J
12/3/1992	74.25	<500	∆ .3.	<0.3	△ 0.3	40.6	1	۱,	J	1	t	ŧ	1	1
2/25/1993	76.69	<500	<0.3	<0.3	<0.3	<0.6	1	1.	ı		1	1	1	:
4/12/1993	75.94	<500	0.6	40.3	<0.3	.0.6	1	1	ı	ı	t	1	1	ţ.
7/20/1993	74.80	^500	<0.3	0.3	<0.3	<0.6	1	ı	ì	i	ı	ŧ	1	
11/5/1993	74.17	<500	5.8	4.3	Ξ	3.4	1	1	T	ı	1	ı	1	•
2/11/1994	74.37	<500	0.3	6 0.3	<0.3	<0.6	ŀ	1	ı	1	1	ı	1	:
6/29/1994	74.08	<500	6 ,	-0.3	0.3	<0.6	ı	ı	1	ı I	ı	1	1	1
9/20/1994	73.79	<500 ·	0.8	<0.3	€0.3	<0.6	ı	1	ı	1	ı	,1	1	;
12/20/1994	73.71	<500	6 0.3	0.3	<0.3	<0.6	. 1	T	. 1	1	1	ı	1	i
3/20/1995	75.11	<500	1.9	<0.3	40.3	0.6	T	1	1	. 1	t	ı	<u> </u>	:
6/20/1995	75.47	<500	<0.3	<0.3	40.3	<0.6		ı	l	1	1	1	. !	1
9/20/1995	74.71	<500	60.3	<u>۵</u>	<0.3	<0.6	1	1	1	1	1	I		ľ
12/4/1995	ı	<500	△0.3	<0.3	. 0.3	<0.6	1	ţ	1	1	1	1	1	i
3/6/1996	74.67	>500	€.	60.3	<0.3	0.6	. 1	1	1	1	. 1	1	1	:
6/11/1996	74.09	<500	<u>(3</u>	<0.3	<u>0.3</u>	-6.6	ì	140	ı	. 1	1	ı	1	
9/12/1996	73.54	<500	<0.3	60.3	6.3	0.6	1	<10	. 1	1	i	ı	. 1	:
12/18/1996	74.34	<500	<0.3	<0.3	6.3	40.6	. 1	.<10	. 1	ı	ı	Î		
2/26/1997	74.85	<\$00	<u>6</u> 3	<0.3	<u>0</u>	0.6	, Þ.	37	ı	1	ı	. 1	_1_	:
6/5/1997	74.07	^ 500	€ 0.3	∆ 0.3	<u>6</u> .3	40.6	· 1	70	1	i		٦		;
9/8/1997	ı	ı	1	ı	ı	ı	ì	i	ł	1	. 1	1	1	:
11/13/1997	73.91	<500	0.6	0.3	6.3	<0.6	. 1	420	I	,	i	.!.	1	ł
2/11/1998	.1	ı	1	ı	1	ı	ì	1	1	ı	1	ı	_ļ	:
4/20/1998	1	ļ	l	۱,	1	. 1	1	ı	1	ı	1	1	L	
7/29/1998	75.59	. 1	. 1	; !	. 1	1	. 1	<u>.</u> 1	ı	:	1	ı	!	:
10/31/1998	75.36	\$	<0.3	40.3	63	40.6	1	\ \ \ \	1	١	ı	1	1	7
1/25/1999	75.43	<500	6 0.3	6.3	€0.3	1.3	1	217	1	i	ì	1	l_	1
6/3/1999	75.22	l,480 J	<7.5	<7.5	<7.5	≙	1	195 J	٠,	1	1	1	l_	:
8/4/1999 -	74.87	<500	۵,3	<0.3	60.3	0.6	1	20	t	i	1	. 1		ţ
12/1/1999	74.72	<500	20.3	20.3	. ≙	; ≙.6		787	1	ı	ı	. 1	1	1

CMW-09

Well ID

Table 2.

Historical Groundwater Analytical Data
Chevron Station 9-3417, 32001 Camino Capistrano, California

					٠.							CMW-11			٠.									•													Well ID	
9/20/1994	6/29/1994	2/11/1994	11/5/1993	7/20/1993	4/12/1993	2/25/1993	12/3/1992	9/14/1992	12/17/1991	10/8/1991	1661/8/8	6/28/1991	!	6/8/2005	3/25/2005	11/3/2004	7/12/2004	4/8/2004	1/8/2004	10/7/2003	7/7/2003	4/11/2003	1/27/2003	11/13/2002	8/8/2002	5/10/2002	2/6/2002	11/1/2001	. 8/3/2001	5/3/2001	1/22/2001	10/19/2000	7/21/2000	4/20/2000			Sampled	Date
73.50	73.72	74.02	73.81	74.44	75.59	76.37	73.86	73.96	73.32	1		1·		77.10	78.34	77.16	76.68	77.16	77.21	77.39	77.60	77.88	77.21	77.25	76.95	74.97	74.96	74.97	75.08	75.53	ı	74.49	74.63	75.35	EPA Method:	(feet above msl)	Elevation	Groundwater
<500	<500	<500	<500	<500	<500	<500	<\$00	<500	<\$00	<\$00	<500	<500		ర్థ	Ş	ζ	^ 50	S	\$	6	<50	<50	180	<100	<100	<100	<100	<u>^100</u>	<100	295	ľ	119 J	270 J	221 J	8260	(μg/L)	TPHg	
<0.3	<0.3	←0.3	<0.3	<0.3	0.5	6 0.3	<0.3	∆ 0.3	0.4	63	<0.3	<0.3		<u>^.</u> 0	Δ.	<u>^</u>	<u>^</u>	<u>^</u>	^	<u>^</u>	Δ	<u>.</u>	Δ	^	^	Δ	Δ	<u>^</u>	۵	۵	1	۵	<0.3	_	8260	(µg/L)	Benzene	
1.2	<0.3	<0.3	0.4	<0.3	6 0.3	△0.3	<0.3	<0.3	<0.3	<0.3	6 0.3	<0.3		<u>^</u>	Δ	Δ	<u>^</u>	Δ		<u>^</u>	<u>△</u>	<u>^</u>	۵	<u>ሴ</u>	<mark></mark>	۵	۵	۵	ሪ	۵	1	ሪ	<0.3	ţ.,	8260	$(\mu g/L)$	Toluene	
<0.3	0.3	<0.3	<0.3	<0.3	<0.3	<0.3	<0.3	<0.3	<0.3	<0.3	0.3	<0.3		<1.0	<u>^</u>	△	<u>^</u>	<u>^</u>	<u>^</u>	^_	<u>^</u>	<u>△</u>	Δ	۵	۵	٠ ۵	ሌ	۵	۵	۵	1,	۵	< 0.3	<0.3	8260	(µg/L)	Benzene	Ethyl-
1.4	<0.6	<0.6	<0.6	<0.6	<0.6	<0.6	<0.6	<0.6	<0.6	<0.6	<0.6	<0.6		0.1	<u>^</u>	Δ	Δ,	<u>^</u>	^	^	^	^	Δ	۵	ል	۵	۵	۵	۵	۵		۵,	<0.6	w	8260	(µg/L)	Xylenes	Total
I _.	1	1	1	1	. 1	1	3	1	. 1	1	1	j		9.9	6	S.	9.1	10	۵	36	22	16	45	20	32	17	50	38	90	382	ı.	11	ı	ĺ	8260	(µg/L)	MTBE	
ļ	1	ı	1	. 1	Ι,	ì	1	1	1	1		ı		. ∠2.0	ı	ŀ	ı	.1	ŀ	}	1	1	ı	1	ŀ	i		ı	1	1	1	1	270	221	8020/8021	(µg/L)	MTBE	
ı	, 1	1	1	1	ı	ı	1	1	ì	J	ı	1		2.0	۵	۵	۵	۵	۵	۵	۵	۵	۵	^	<u>^</u>	.△	Δ	<u>^</u>	<u>^</u>	<u>^</u>	ı	۵	1	ı	8260	$(\mu g/L)$	ETBE	
1	1	ı	ì	1	1	ı	1		ı	ı		1	,	٥.٥	۵	۵	۵	۵	۵	۵	۵	۵	۵	Δ	^	^	^	^	^_	Δ	}	<u>^</u>	ı	1	8260	(µg/L)	DIPE	
1	1	1	1	ı	;	1	1	i	. 1	i	ı	:		2.0	۵	۵	۵	۵	۵	۵	Δ	۵	۵	Δ	Δ	۸	۸	Δ	^	2.2	ì	^	I	ı	8260	(µg/L)	TAME	
ı	1	ı	i	ı	I	ı	ı	1	1,	. 1	1	t		<u>^10</u>	<u><10</u>	<u>6</u>	<u></u>	<10	<u>^10</u>	<10	<10	<u><10</u>	<u>\</u>	<10	<10	^ 10	<u><</u> 10	<10	43	103	1	<20	1	1	8260	(μg/L)	TBA	
	1	}	1_	l_		l_	l	I_	l_	1	_1_	_I_		<u>^1</u>	_1_	l	-1	<u></u> !	1	l	_}	!	1	I	_	I	1	_1_	_i_	l		_l_	I	_ļ_	8260	(μg/L)	Ethanol	
:		:	:	;	:	1	i	;	•	:	;				:		1	1	:	:	:	;		;		1.	i	;	:		Car over well.		1	i			Comments	

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(世紀) (世紀) (世紀) (世紀) (世紀) (世紀) (世紀) (世紀)
#g/L) (µg/L) (µg/L) 8260 8260 1

Table 2.

Historical Groundwater Analytical Data
Chevron Station 9-3417, 32001 Camino Capistrano, California

			* *	,
		AMW-01		Well ID
3/6/1996 6/11/1996 9/12/1996 12/18/1996 12/26/1997 6/5/1997 9/8/1997	11/5/1993 2/11/1994 6/29/1994 9/20/1994 12/20/1994 3/20/1995 6/20/1995 9/20/1995	6/28/1991 8/8/1991 10/8/1991 12/17/1991 12/17/1991 9/14/1992 12/3/1992 2/25/1993 4/12/1993	4/11/2003 7/7/2003 10/7/2003 1/8/2004 4/8/2004 7/12/2004 11/3/2004 3/25/2005	Date Sampled
74.17 73.57 73.02 73.79 74.33 73.52 73.12	73.27 73.48 73.20 72.94 72.98 74.25 74.64 73.84	72.94 73.48 73.36 75.76 75.76	77.89 77.62 77.41 77.27 77.27 76.63 77.12 78.36 76.94	Groundwater Elevation (feet above msl) EPA Method:
<500 <500 <500 80 220 <500	<pre><500 <500 <500 <500 <500 <500 <500 <500</pre>	\$500 \$500 \$500 \$500 \$500 \$500	240 430 1,300 2,100 <500 400 1140 1,000	ΤΡΗg (μg/L) 8260
0.4 0.4 0.5 1.4 0.3	0.4 0.3 0.3 0.3 0.3	6. 4 6. 6 6. 6 6. 6 6. 6 6. 6 6. 6 6. 6	^1.0	Benzene (µg/L) 8260
40.3 40.3 40.3 40.3 40.3	0.7 40.3 40.3 40.3 40.3 40.3	60.000000000000000000000000000000000000	^ 4 6 6 4 ^ 6 6 A	Toluene (µg/L) 8260
603 603 603 603			△	Ethyl- Benzene (µg/L) 8260
<0.6 <0.6 <0.6 <0.6 <0.6 <0.6 <0.6	0.6 40.6 40.6 40.6 40.6 40.6	1.7 40.6 40.6 40.6 40.6 40.6	1.0 A A A A A A A A A A A A A A A A A A A	Total Xylenes (µg/L) 8260
	1 1 1 1 1 1 1 1 1		480 1,000 3,000 2,900 360 420 420 340 1,800	MTBE (μg/L) 8260
380 210 170 120 120 160	1111111	S Littiilit S	201111111	MTBE (µg/L) 8020/ 8021
. 1 1 1 1 1 1 1			222222222	ETBE (µg/L) 8260
		1 1 L 1 1 1 1 1 1	22222	
1 1 1 1 1 1	1 1 1 1 1 1 1 1 1		2 2 2 2 2 2 2 2	ΤΑΜΕ (μg/L) 8260
111111			<10 <40 170 J <200 <100 <40 <100 <100 93	ΤΒΑ (μg/L) 8260
		-111111		Ethanol (µg/L) 8260
				Comments

Cambria

		<u>^100</u>	<10	7	<2.0	<2.0	2.0	20	<1.0	<1.0	^1.0	<1.0		76.32	6/8/2005	,
	1	<u> </u>	<10	۵	۵	۵	I	22	Δ		Δ	<u>^</u>	^ 50	77.80	3/25/2005	
	1	<u> </u>	6	۵	۵	۵	t	34	<u>^</u>	^	^	Δ.	< <u>\$0</u>	76.57	11/3/2004	
	:	٠,	<=0	۵	۵	۵	ı	37	Δ	^	^	^	6	76.08	7/12/2004	
	;	1	<u><10</u>	۵	۵	۵	1	55	Δ	^	Δ.	Δ	<\$0	76.59	4/8/2004	
	:	1	<u>^10</u>	۵	۵	۵	1	57	. <u>^</u>	Δ	<u>^</u>	Δ	^ 50	76.68	1/8/2004	
	;	_!_	<10	۵	۵	۵	ı	110	Δ	Δ	^	Δ	59 J	76.88	10/7/2003	
	;	1	^10	۵	۵	۵	ı	130	Δ	۵	^	Δ	69 J	77.06	7/7/2003	
	;	1	<u>^</u>	۵	۵	۵	ı	140	<u>^</u>	۵	Δ	Δ	F 86	77.34	4/11/2003	
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		I	17	1.2	<u>^</u>	^	1	173	۵	۵	۵	<u>^</u>	144	76.74	11/13/2002	
	!	t	<10	1.5	۵	Δ	ı	189	۵	۵	۵	Δ.	191	76.44	8/8/2002	
		1	50	^	Δ	<u>^</u>	ı	154	۵	۵	۵	Δ	197	74.47	5/10/2002	:
	;	1	46	2.3	Δ	<u>^</u>	1	298	۵	۵	ል	۵	161	74.44	2/6/2002	
		1	<10	2.4	^	Δ	1	217	۵	۵	۵	<u>^</u>	244	74 48	11/1/2001	
	,	J	165	^	Δ	Δ	ı	586	۵	۵	۵	۵	321	74.51	8/3/2001	
		1	88	3.6	Δ	Δ	1	393	۵	۵	۵	۵	325	74.98	5/3/2001	
	:	ı	<20	5.2	Δ	<u>^</u>	1	211	۵	۵.	ሌ	۵.	<100	74.67	1/22/2001	
	;	1	. 20	1.6	Δ	Δ	.1	76	۵	۵	۵	۵	521	74.03	10/19/2000	
	!	1	:	1	1	1	610	1	2	<0.3	<0.3	<u>6</u> 3	1210	74.17	7/21/2000	
	į	1	. 1	1	ı	ı	160	ı	<0.6	6.3	<0.3	6 0.3	160 J	74.76	4/20/2000	
		1	ı	ı	ı	. 1	145	ı	œ	<0.3	18	4.	145 J	74.41	2/17/2000	
	:	1	ı	1	Į.	1	343	. 1	0.6	<u>603</u>	6 0.3	20.3	<500	74.25	12/1/1999	
	: ·	1	ļ	ı	ı	I	994	642	<0.6	<0.3	<0.3	40.3	994	74.35	8/4/1999	
		1	1	t	1	1	890	831	<30	£ 5	- 1 5	\ 5	4,510 J	74.69	6/3/1999	
		t	1	1	1	ı	91	ì	40.6	<u>6</u> 3	<0.3	<u>۵</u>	^500	74.92	1/25/1999	
	;	1	1	ı	ı	ı	<u><</u>	1	4).6	0.3	60.3	<u></u>	<500	74.80	10/31/1998	
		1	i,	1	. 1	ı	140	1	-0.6	<0.3	∆0.3	<u>6</u> 3	<500	75.02	7/29/1998	
		1	;	1	1	1	150	ı	ı	. 1	1	ı	1		7/29/1998	
	1	1	ı	ı	i	1	160	1.	<0.6	<0.3	∆ 0.3	<0.3	<500	75.85	4/20/1998	
	į.	1	1	ı	ı	1	200	ı	ı	ı	1	ı	I	1	4/20/1998	
	:	1	ı	1	1	1	100	1	<0.6	<0.3	0.46	40,3	<500	1	2/11/1998	
		t		t ·	,1	I	100	ı	<0.6	<u>6</u> 3	<0.3	40.3	٥٥ ک	74.39	2/11/1998	
	;	1	1	ı	t	1	620	,	<0.6	<0.3	<0.3	1.1	<500	72.95	11/13/1997	
		8260	8260	8260	8260	8260	8020/8021	8260	8260	8260	8260	8260	8260	EPA Method:		
	•	(µg/L)	(µg/L)	(µg/L) (µg/L)	(μg/L)	(μg/L)	(µg/L)	(μg/L)	(µg/L)	(μg/L)	(μg/L)	(µg/L)	(μg/L)	(feet above msl)		
v	Comments	Ethanol	TBA	TAME	DIPE	ETBE	MTBE	MTBE	Xylenes	Benzene	Toluene	Benzene	TPHg	Elevation .	Sampled	Well ID
									Total	Ethyl-				Groundwater	Date	
						llifornia	Chevron Station 9-3417, 32001 Camino Capistrano, California	amino Ca	, 32001 C	tion 9-3417	hevron Sta					
		· 					ICAL DATA	r Analyt	oundwate	Historical Groundwater Analytical Data	· .		٠			
							7	1 1 1 1		- Land of Ca	4					

Chevron Station 9-3417, 32001 Camino Capistrano, California	Historical Groundwater Analytical Data

																	Trip Blank										٠.	Rinsate			Well ID
7/21/2000	4/20/2000	2/17/2000	12/1/1999	8/4/1999	6/3/1999	1/25/1999	10/31/1998	7/29/1998	4/20/1998	2/11/1998	11/13/1997	9/8/1997	6/6/1997	6/5/1997	2/26/1997	12/18/1996	9/12/1996	11/1/2001	8/3/2001	5/3/2001	1/22/2001	10/19/2000	7/21/2000	4/20/2000	2/17/2000	12/1/1999	8/4/1999	6/3/1999			Date Sampled
} ·	1		1	1	;	;	1	ı	;	ı	ı	;	1	i	1	1	:		i .	1	1	;		ŀ	,	:	ŀ	•	EPA Method:	(feet above msl)	Groundwater Elevation
<500	<500	<500	^500	^500	<500	<\$00	\$	ı	ı	ı	١.	ı	ı	1	1	ı	1	<100	<100	<100	^100	<500	<500	<500	<500	^500	<500	<500	8260	(μ g/ L)	ТРН
<0.3	<0.3	<u>6</u>	<u>د</u>	<0.3	- 60.3	0.3	<0.3		1	1	1	1	.1	ı	1	ŀ	1	Δ	ፚ	۵	۵	۵	6.3	£.05	<0.3	603	<0.3	<0.3	8260	(µg/L)	Benzené
<0.3	<0.3	<0.3	0.3	0.3	<0.3	<0.3	<0.3	<0.3	<0.3	0.49	<0.3	<0.3	<0.3	<0.3	<0.3	△ 0.3	<0.3	۵	۵	۵	۵	ል	<0.3	<0.3	<0.3	£.0	<0.3	<0.3	8260	(1/8դ)	Toluene
- 40.3	<0.3	<0.3	<0.3	<0.3	<0.3	6 0.3	<0.3	<0.6	<0.6	<0.6	6.3	<0.3	<0.3	<u>6.3</u>	0.3	63	△ 0.3	۵	۵	۵	<u>.</u>	۵	<0.3	6 0.3	6 0.3	<0.3	△0.3	<0.3	8260	(μg/L)	Ethyl- Benzene
<0.6	0.6	<0.6	0.6	<0.6	<0.6	<0.6	<0.6	<0.6	9.6	<0.6	<0.6	1.7	<0.6	<0.6	<0.6	<0.6	<0.6	۵	۵.	ል	۵	۵	<0.6	<0.6	<0.6	<0.6	<0.6	<0.6	8260	(µg/L)	Total Xylenes
-1	1	1	ľ		1	ı	ı	1	1	1	1	ì.	1	ı	1	1	ľ	^	<u>^</u>	<u>^</u>	Δ	. <u>^</u>	1	1	1	1	ı	1	8260	(μg/L)	MTBE
۵	۵	۵	۵	<10	<10	<10	1	ı	-1	1	1	1		;	1	1	1	, !	ı	1.		1	۵	۵	۵	۵	<10	<10	8020/8021	(μg/L)	МТВЕ
ı	1	ţ	1	1	ı		ı	1	1	1	ı	ı	1	1	1		1	<u>^</u>	Δ	^	Δ	Δ	ı	ı	1	1	1	1	8260	(μg/L)	ETBE
1	ı	ı	ı	ì	ı	t	ţ	ì	ì	. 1	1	1	. [1	1	ı	ı	^	۵	Δ	Δ	Δ	ı	:	ı	1 ,	. 1	ì	8260	$(\mu g/L)$	DIPE
ı		1	I	١.	ŀ	1	Į.	i	I	i	1	1	1	1	1	ŀ	Ļ	Δ	Δ	Δ	۸	^	ı	I	1	ı	ı	ĭ	8260	(µg/L)	TAME
1	t	1	1	1.	1	1	1	1	1	i			1		1	1	1	<u>^</u>	-10	<u><10</u>	<20	<20	ı	1	ı	ı	1	1	8260	(μg/L)	ТВА
i_	L_	L_	l_	t_	!_	l_	_1_									1.	1	 	ı	1	1	1	1.	1	1	1	ı		8260	(µg/L)	TBA Ethanol
1	}	;	;	;	;	:	;	:		:		:	:	:	:	:	•			:	1	:	1	ì	1						Comments

Historical Groundwater Analytical Data Table 2.

Chevron Station 9-3417, 32001 Camino Capistrano, California

Well ID	Date Sampled	Groundwater Elevation	ТРНg	Benzene	Toluene	Ethyl- Benzene	Total Xylenes	MTBE	МТВЕ	ЕТВЕ	DIPE	TAME	ТВА	Ethanol	Comments
		(feet above msl)	(µg/L)	(µg/L)	(μg/L)	(µg/L)	(μg/L)	(μg/L)	(µg/L)	(µg/L)	(1/grt)	(µg/L)	(µg/L)	(µg/L)	
		EPA Method:	8260	8260	8260	8260	8260	8260	8020/8021	8260	8260	8260	8260	8260	
	10/19/2002		<500	۵	۵	۵	۵	^	1	Δ	^	Δ	<20	1	:
	1/22/2001	1	<100	۵	<mark></mark>	۵	۵	Δ	•	<u>^</u>	Δ	Δ	<20	1	;
	5/3/2001	1	<100	ል ·	۵	۵	ሌ	Δ	i	Δ.	<u>^</u>	Δ	10	1	~ †
	8/3/2001	i	<100	۵	۵	<u>۸</u>	ሌ	^	1	Δ	Δ	^	<10	t	:
	11/1/2001	;	<100	Δ	۵	۵	۵	^	1 -	Δ	<u>^</u>	. ^	1 0	1	
	2/6/2002	;	<100	^	۵	۵.	۵	Δ	1	Δ	Δ	^	^ 0	1	1
	5/10/2002	1	<100	Δ	۵	۵	۵	^	1	Δ	Δ	<u>^</u>	<u><10</u>	1	
	8/8/2002	;	<100	Δ.	۵	ል	۵	<u>∧</u>	1	^	Δ	^	^10	ı	:
	11/13/2002	1	<100	^	۵	۵	<mark></mark>	^	1	Δ	Δ	Δ	<10	1	1
	1/27/2003	:	\S	. <u>^</u>	Δ	Δ	<u>^</u>	۵	- 1	۵	۵	۵	<10	1	:
	4/11/2003		^ 50	Δ	Δ	<u>^</u>	_	۵	1	۵	۵	۵	<10	1	
	7/7/2003	;	. 0	^	Δ.	Δ	^	Δ	ŀ	۵	۵	۵	<10		1
	10/7/2003	;	δ	<u>^</u>	Δ	Δ	Δ	۵	1	۵	۵	۵	<10		ĩ
	1/8/2004	ŀ	<u>ئ</u>	<u>^</u>	^	Δ	Δ	۵		۵	۵	۵	<10		.1
	4/8/2004	;	<50	Δ	^	Δ	Δ	۵	1,	۵	۵	۵	<10	1	•
	7/12/2004	:	^ 50	_	Δ	Δ	^	۵	1	۵	۵	۵	<10		:
	11/3/2004	:	<\$0	^	Δ	Δ	<u>^</u>	۵	1	۵	۵	۵	<10	1	:
	3/25/2005	:	<50	^	Δ		^	۵	1	۵	۵	Δ	<u>{</u> 10	_!_	;
QA	6/8/2005	:	<50	<1.0	<1.0	<1.0	<1.0	<2.0	<2.0	2.0	<2.0	△2.0	<10	-100 00	;

Abbreviations and Notes:

ms] = mean sea level

ETBE = Ethyl tertiary butyl ether

DIPE = Di-isopropyl ether

TBA = Tertiary butyl alcohol TAME = Tertiary amyl methyl ether

μg/L = micrograms per liter

<n = Below detection limit of n μ g/L

J = Denotes estimated value between method detection limit and reporting limit

MTBE = Methyl tertiary butyl ether TPHg = Total petroleum hydrocarbons as gasoline

Historical data prior to 3/25/2005 provided by Science Applications International Corporation

Benzene, toluenc, ethyl-benzene and total xylenes (BTEX) analyzed by EPA Method 8021 or EPA Method 8260 prior to 3/25/2005. Beginning 3/25/2005 BTEX analyzed by EPA Method 8260.

TPHg analyzed by EPA Method 8015 or EPA Method 8260 prior to 3/25/2005. Beginning 3/25/2005 TPHg analyzed by EPA Method 8260.

ATTACHMENT A

Field Data Sheets and Disposal Record

August 9, 2005

Mr. James Strozier
Orange County Health Care Agency
Environmental Health Division
1241 East Dyer Road, Suite 120
Santa Ana, California 92705-5611



Re:

Investigation Work Plan

Chevron Service Station # 9-3417 32001 Camino Capistrano San Juan Capistrano, California Case No. 89UT27



Dear Mr. Strozier:

On behalf of Chevron Environmental Management Company, Cambria Environmental Technology, Inc. (Cambria) is submitting this *Investigation Work Plan* for the site referenced above. The sites description and Cambria's proposed scope of work are presented below.

SITE DESCRIPTION

The Site is located on the southwest corner of the intersection of Del Obispo Street and Camino Capistrano in San Juan Capistrano, California (Figure 1). The Site consists of three 10,000 gallon underground storage tanks (UST), four fuel dispenser islands with associated product piping, and a 250 gallon used-oil above ground storage tank (Figure 2). The approximate ground elevation of the Site is 93 feet above mean sea level (msl). The Site is underlain by gravel, clayey silt, silty clay, silt, and sand to the maximum depth investigated. The surrounding area is predominantly commercial.

The predominant extent of petroleum hydrocarbons in soil has been reported in the immediate vicinity of the three USTs and the dispenser islands at the northeast portion of the Site. The vertical extent of hydrocarbon-impacted soil extends to groundwater in this area.

Groundwater Depth and Flow Direction: First encountered groundwater depths have ranged from 15.80 feet below ground (fbg) to 11.18 fbg. The groundwater flow is generally towards the south.

Cambria Environmental Technology, Inc.

PROPOSED SCOPE OF WORK

18 Technology Drive Suite 167 Irvine, CA 92618 Tel (949) 589-6640 Fax (949) 589-6774 In order to define the extent of off-site methyl tertiary butyl ether (MTBE) migration in

CAMBRIA

groundwater down gradient of monitoring wells AMW-1 and CMW-11, Cambria proposes to obtain ground water samples by the advancing five direct push hydropunch-style borings outside the expected extent of MTBE (Figure 3). The borings will be located off-site in the parking lot located to the south of the Site. Exact locations of the direct push borings will be determined while in the field. Cambria will obtain offsite property access prior to beginning any work,

Underground Utility Location: Cambria will notify Underground Service Alert to clear the boring locations with utility companies. All locations will be cleared to 8 fbg using a air knife or hand auger prior to drilling.



Site Health and Safety Plan: Cambria will update the site safety plan to be reviewed and signed by all site workers and to be kept on-site at all times.

Permits: Cambria will obtain any necessary permits from the Orange County Health Care Agency (OCHCA) prior to beginning field operations. A minimum of 48 hours of notice will be given to OCHCA prior to beginning drilling activities.

Direct Push Borings: Cambria proposes advancing five direct push borings. The borings will be advanced to first encountered groundwater, approximately 16 fbg.

Ground Water Sampling: Cambria will collect a groundwater sample by HydropunchTM method using a micro bailer or a peristaltic pump. The groundwater samples will be submitted to a licensed analytical laboratory to be analyzed for hydrocarbons by EPA Method 8260B.

Chemical Analysis: All groundwater samples will be analyzed for:

- Total petroleum hydrocarbons as gasoline (TPHg) by EPA Method 8260B.
- Benzene, toluene, ethylbenzene, and xylenes (BTEX), fuel oxygenates MTBE, DIPE,
 TBA, TAME, ETBE, and Ethanol by EPA Method 8260B.

Reporting: After the final analytical results are received for this investigation Cambria will summarize the results in a request for regulatory closure that will be submitted to the OCHCA.

Jeff Aguilar

Project Geologist

CAMBRIA

SCHEDULE AND CLOSING

Cambria-will carry out this scope of work upon receiving written approval from the OCHCA. We will submit our investigation report approximately four to six weeks after receiving final analytical results. Please contact Jeff Aguilar at (949) 428-8991 with any questions or comments regarding the site or this work plan.

> R. SCOTT **EDWARDS** No. 7317

Sincerely,

Cambria Environmental Technology, Inc.

Derek Wijken Staff Geologist

cc:

R. Scott Edward, P.G. #7317

Senior Project Geologist

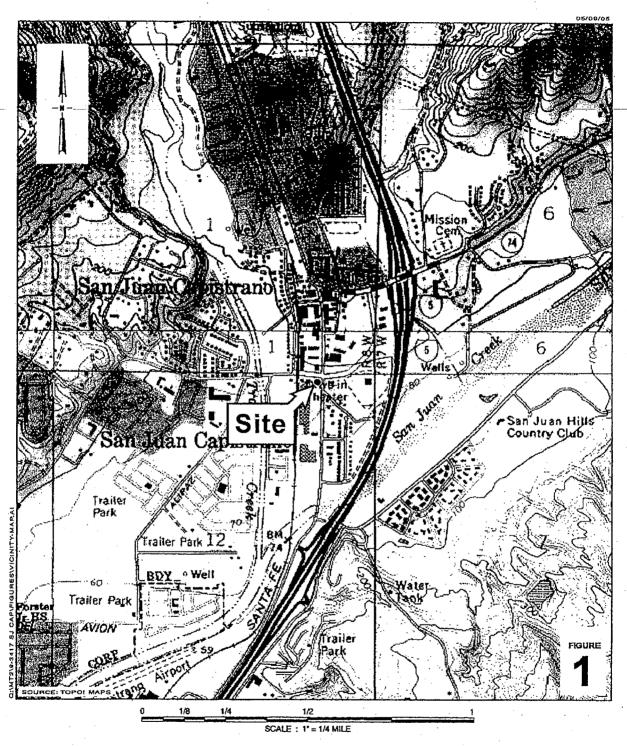
Figures:

2 - Site plan

1 - Site Vicinity Map

3 - Proposed Boring Locations

Mr. Dana Thurman, Chevron Environmental Management Company, P.O. Box 6012, L4052 San Ramon, CA 94583-0804



Chevron Service Station 9-3417

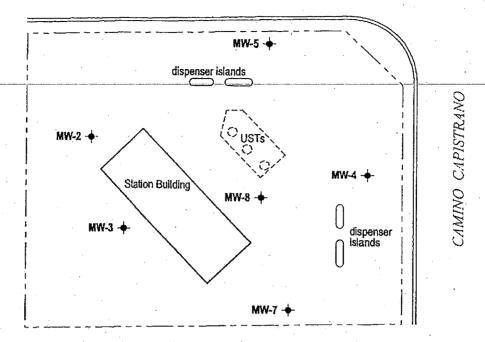


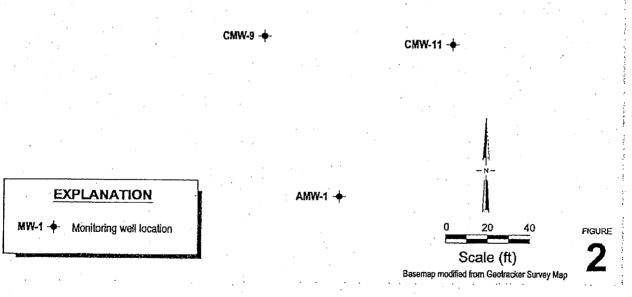
Vicinity Map

32001 Camino Capistrano San Juan Capistrano, California

CAMBRIA

DEL OBISPO STREET





Chevron Service Station 9-3417

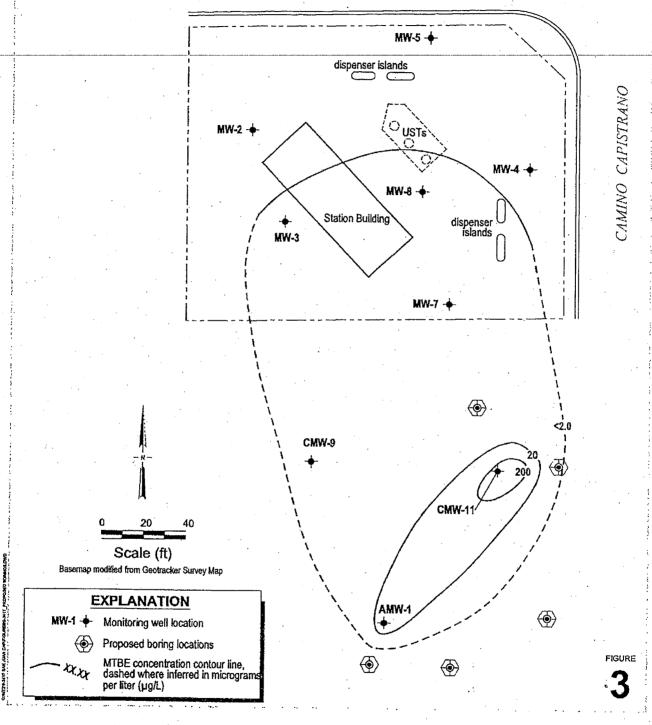
32001 Camino Capistrano San Juan Capistrano, California



CAMBRIA

Site Plan

DEL OBISPO STREET



Chevron Service Station 9-3417

32001 Camino Capistrano San Juan Capistrano, California



Proposed boring locations

CAMBRIA

From: John O'Donnell [mailto:JOdonnell@sanjuancapistrano.org]

Sent: Wednesday, February 04, 2009 9:02 AM

To: Molla, Natasha (NatashaMolla)

Cc: Sundaram, Shyamala; Omar Sandoval; Dave Adams; Eric Bauman; West Curry

Subject: RE: Weekly Update for SJC for Week Ending January 30, 2008

Sensitivity: Confidential

Good-morning-Natasha,

The e-mails and letters you have been sending the City over the past few months are full of inaccuracies and misstatements. First off, where is the model you promised for our review? Time is running short. We were expecting to review the model last Friday. Chevron is delaying our review of the model. In response to you e-mail, your memory appears to be clouded. The key issue for the City is the level of MtBE's in our well water. During the last meeting between Chevron and the City, Chevron did agree to work towards an agreeable detection limit, of which the City has determined will be part of the MOU. The MOU will be executed to the satisfaction of the City before the City will consider allowing Chevron to use the Dancehall well for the IRAP. This was clearly stated during out meeting. We have two weeks to execute an MOU prior to the February 17th deadline. I suggest we set a series of meetings in order to complete the MOU. I will be available by cell at 949.973.5834.

Best regards,

John G. O'Donnell Utilities Director City of San Juan Capistrano 949.443.6361 fax 493.3955

From: Molla, Natasha (NatashaMolla) [mailto:NatashaMolla@chevron.com]

Sent: Wednesday, February 04, 2009 7:01 AM

To: John O'Donnell

Cc: Jack Fraim; Sundaram, Shyamala; Peter Herzog; Garcia, Juan M. (GARC) (JuanGarcia)

Subject: FW: Weekly Update for SJC for Week Ending January 30, 2008

Sensitivity: Confidential

Hi John,

I am writing to correct the inaccurate statements in your e-mail which you sent to Shyamala yesterday at 9:44 a.m.

First, Chevron and the City met on January 14, 2009, not in December, to discuss remaining obstacles to Chevron proceeding with the installation of the Dance Hall wellhead plume treatment system. Second, in answer to several direct questions at the end of the January 2009 meeting about what the City needed in order to allow Chevron to proceed, the City made very clear that obtaining Chevron's preliminary IRAP modeling files is the only remaining obstacle to the City signing a Memorandum of Understanding ("MOU") with Chevron to allow Chevron to proceed. Third, assuming that by using the term "detection limit" you mean the concentration of MtBE at which point Chevron would take some action with regard to MtBE detected in the City's other wells if the MtBE is shown to have originated from Chevron's operations ("action level"), the parties did not agree to address that issue in the MOU. (Nor does it even make sense to do so because the MOU relates only to the installation of the wellhead treatment at the Dance Hall well.) Instead, Chevron and the City agreed to continue to discuss the "action level" issue while the wellhead treatment system is being installed (assuming that the parties can reach an agreement on the terms of the MOU). Chevron remains committed to working with OCLOP and

the City on the design, construction, and operation of the Dance Hall wellhead plume treatment system. However, Chevron is mindful that the successful implementation of the IRAP requires the City's concurrence, and that the deadline to submit a Corrective Action Plan ("CAP") for other remedial alternatives as required by OCLOP is fast approaching. Therefore, Chevron continues to develop and plan to implement other remedial options, which will be set forth in this month's CAP.

Thank you,

Natasha Molla

Team Lead, Retail and C&I-Southwest

Chevron Environmental Management Company

Marketing Business Unit 145 S. State College Blvd, Brea, CA 92821-5818 Tel 714-671-3537 Fax 714-671-3440 Mobile 714-926-8674 NatashaMolla@chevron.com

From: "John O'Donnell"

Date: Tue, 3 Feb 2009 09:44:59 -0800

To: Jack Fraim<cedarcreek@directcon.net>; Shyamala Sundaram@ssundaram@ochca.com>

Subject: RE: Weekly Update for SJC for Week Ending January 30, 2008

Shyamala

Please note one clarification to Mr. Fraim's Feb 03 e-mail. Mr. Fraim writes "The City has stated that obtaining Chevron's preliminary IRAP modeling files is the only remaining obstacle to the City signing a Memorandum of Understanding with CEMC to allow CEMC to proceed." Chevron and the City meet in December to discuss remaining obstacles. Aside from the model review are the conditions of the MOU. As part of the MOU, the City and Chevron have agreed to address the detection limit which is a key remaining obstacle. Best regards,

John G. O'Donnell Utilities Director City of San Juan Capistrano 949.443.6361 fax 493.3955

From: Jack Fraim [mailto:cedarcreek@directcon.net]

Sent: Tuesday, February 03, 2009 1:09 AM

To: Shyamala Sundaram

Cc: John O'Donnell; Eric Bauman; Natasha Molla; Steve Edelman **Subject:** Weekly Update for SJC for Week Ending January 30, 2008

Shyamala,

Attached is a summary of Chevron activity on the SJC project for the week ending January 30, 2008. Please call if you have any questions.

Chevron Station 9-3417, 32001 Camino Capistrano

• Implementation of the wellhead treatment system proposed in the IRAP (dated March 26, 2008, approved by OCLOP May 14, 2008) continued. The 60% design plan is completed, the

RSSCT is completed, a construction contractor has been selected, the OCFCD encroachment permit application has been submitted, the CEQA process has started, the greensand filter is being constructed, and the GAC filters are available. Construction and startup of the wellhead treatment system proposed in the IRAP have been delayed. Negotiations continued between CEMC and the City concerning the wellhead treatment system. The City has stated that obtaining Chevron's preliminary IRAP modeling files is the only remaining obstacle to the City signing a Memorandum of Understanding with CEMC to allow CEMC to proceed. The projected startup date will be updated once Chevron has the necessary agreements from the City and the associated permits from Orange County Flood Control District.

- Negotiations continued with Mr. Winebright to re-establish access to wells MW-13 and MW-14. In a meeting on November 21, 2008, OCLOP indicated it would send a letter to Mr. Winebright.
- January 23 HFA submitted an addendum to CRA's work plan dated December 18, 2007. The addendum describes access issues for the one remaining proposed CPT location and completes the implementation of the work plan.
- January 26-30 HFA continued implementing the work plan dated August 7, 2008, and addendum dated October 22, 2008, which were approved in OCLOP's December 19 letter (received by CEMC December 29). Geophysical utility surveys of the well locations were completed. The work plan proposes downgradient, multidepth groundwater monitoring well clusters. HFA is pursuing private access agreement for two new locations needed due to denied access and two new locations specified in OCLOP's approval letter.
- January 29 Blain Tech will conducted monthly monitoring of wells MW-15 and MW-16.

Upcoming Events

- February 2-27 Hole clearance and installation of well clusters will be conducted.
- February 6, 2009 HFA will submit a report for the 4Q08 groundwater monitoring event.
- February 6, 2009 HFA will submit an addendum to the work plan dated August 7, 2008 showing the proposed well cluster re-locations.
- February 17, 2009 HFA will submit a Corrective Action Plan for the site.
- February 26, 2009 Blain Tech will conduct monthly groundwater monitoring of wells MW-15 and MW-16.

Chevron Station 9-8719, 26988 Ortega Hwy, San Juan Capistrano

• HFA is pursuing access for off-site groundwater monitoring well installations per the December 1, 2008 work plan.

Upcoming Events

- February 26, 2009 Blain Tech will conduct quarterly groundwater monitoring event.
- Upon OCLOP approval of HFA's work plan dated December 1, 2008, HFA will conduct off-site groundwater monitoring well installation and other site assessment activities.
- HFA will submit a response to Psomas' December 3, 2008, review of HFA's site assessment report.

Jack Fraim Principal Hydrogeologist Cedar Creek Consulting

3989 Sand Ridge Road Placerville, CA 95667 Phone 530.622.9892 Fax 530.622.9893 ----Original Message----

From: Molla, Natasha (NatashaMolla) [mailto:NatashaMolla@chevron.com]

Sent: Wednesday, December 23, 2009 6:40 PM

To: West Curry

Cc: bpulver@waterboards.ca.gov; Joe Tait

Subject: FW: Access Agreement Sensitivity: Confidential

Hi West, as per our discussion during our meeting on Monday, I have attached the access request for you to sign. We appreciate your offer to help expedite IRAP Implementation by reviewing and signing the access agreement.

Natasha Molla Team Lead, Retail and C&I-Southwest

Chevron Environmental Management Company Marketing Business Unit 145 S. State College Blvd, Brea, CA 92821-5818 Office 714-671-3537 Mobile 714-926-8674 Fax 714-671-3440 NatashaMolla@chevron.com

PRIVILEGED & CONFIDENTIAL COMMUNICATION. This e-mail is intended only for the use of the persons to whom it is addressed, and may contain information that is privileged, confidential, or otherwise protected under applicable law. If you are not the intended recipient, or authorized by the recipient to read this, you are hereby notified that you are prohibited from using, copying, disseminating, or replying to this e-mail. IF YOU RECEIVED THIS E-MAIL IN ERROR, PLEASE ADVISE THE SENDER IMMEDIATELY BY RETURN E-MAIL

INTERIM REMEDIAL ACTION ACCESS AGREEMENT

This agreement for the construction and installation of a wellhead treatment system at the
Dance Hall Well ("Agreement") is entered into and effective this day of
2009 ("Effective Date"), by and between CHEVRON U.S.A. INC., a Pennsylvania corporation
("Chevron"), and the CITY OF SAN JUAN CAPISTRANO (the "City").

RECITALS

- A. Chevron owns a retail service station located at 32001 Camino Capistrano in the City of San Juan Capistrano, County of Orange, State of California, commonly referred to as Chevron Service Station No. 9-3417 (the "Station Property").
- B. The City owns and operates the Dance Hall Municipal Supply Well (the "Dance Hall Well").
- C. The City leases a groundwater recovery plant (the "GWRP"), located at 32450 Paseo Adelanto, in the City of San Juan Capistrano, County of Orange, State of California, pursuant to a Lease Agreement, executed on October 15, 2002, by the San Juan Basin Authority and the Capistrano Valley Water District (an entity that has since merged with the City's Department of Public Works), and which the City currently operates.
- D. The California Regional Water Quality Control Board, San Diego Region ("Regional Board"), issued Cleanup and Abatement Order No. R9-2009-0124 (the "CAO"), on September 3, 2009, naming Chevron and the City as Responsible Parties.
- E. The CAO requires Chevron and the City to construct and install a wellhead treatment system at the Dance Hall Well (the "Dance Hall Wellhead Treatment System") in accordance with the March 26, 2008 Interim Remedial Action Plan which was approved by the Orange County Local Oversight Program (the "Work"). The CAO provides that construction of the Dance Hall Wellhead Treatment System must start by November 30, 2009, and the Dance Hall Wellhead Treatment System must be fully operational by January 29, 2010.

TERMS AND CONDITIONS

NOW, THEREFORE, in consideration of the mutual covenants and promises herein, the Parties hereby agree as follows:

1. RIGHTS GRANTED

a. The City hereby grants to Chevron, its employees, authorized agents, consultants, and contractors access to the Dance Hall Well, the GWRP, and related property (the "Property") for the purpose of the Work.

b. Chevron may enter the Property during regular business hours. Chevron may also enter during other non-regular business hours with the City's written consent, which shall not be unreasonably withheld.

c. Chevron, its employees, agents, consultants, and contractors shall enter the <u>Property at their own risk, and the City shall not be held responsible or liable for injury, damage, or loss incurred by such persons arising out of or in connection with the Work, except to the extent that any injury is due to the acts or omissions of the City, its employees, or agents.</u>

2. PERFORMANCE OF THE WORK

Chevron agrees, at its sole cost and expense, to conduct and perform all its activities on the Property in a prompt, safe, efficient, and workmanlike manner and in full and complete compliance with all applicable federal, state or local laws, regulations or ordinances. Chevron will take commercially reasonable efforts not to unreasonably interfere with operations of the City on the Property. The City shall have the right to observe the Work. The City, however, agrees not to unreasonably interfere with the activities conducted by Chevron on the Property. Further, the Parties agree to cooperate and execute any additional documents or permit applications which may reasonably be required to effectuate the purpose of this Agreement.

3. DANCE HALL WELLHEAD TREATMENT SYSTEM DESIGN AND CONSTRUCTION

Chevron, at its sole cost and expense, shall design and construct the Dance Hall Wellhead Treatment System. Chevron shall design and construct the Dance Hall Wellhead Treatment System so as to operate in conjunction with the existing GWRP. Chevron shall submit all plans to the City for review and comment.

4. DANCE HALL WELLHEAD TREATMENT SYSTEM OPERATION AND MAINTENANCE

The City shall be responsible for the operation and maintenance of the Dance Hall Wellhead Treatment System. Chevron shall reimburse the City for any and all incremental costs incurred as a result of the operation and maintenance of the Dance Hall Wellhead Treatment System.

5. DANCE HALL WELLHEAD TREATMENT SYSTEM OWNERSHIP

Chevron shall be considered the owner of the Dance Hall Wellhead Treatment System. Chevron may transfer ownership of the Dance Hall Wellhead Treatment System to the City in the future in a subsequent written agreement

6. TERM

This license and the Parties' obligations herein shall terminate when the Regional Board relieves Chevron of its obligation to construct and operate the Dance Hall Wellhead Treatment System.

7. RESTORATION

If entry onto the Property by Chevron, or exercise by Chevron of any of its rights or obligations under this Agreement, results in any physical damage to the Property (ordinary wear and

tear excepted), Chevron shall promptly repair and restore the portions of the Property damaged to substantially the same condition as existed prior to the damage or exercise of such right or obligation.

8. INDEMNITY

To the fullest extent permitted by law, Chevron-agrees-to-protect, defend, and-hold-harmless the City and its officers, agents, and employees from any and all claims, actions, causes of action, rights, demands, debts, obligations, damages, liabilities or losses of any kind, including attorney's fees, arising out of, or in any way connected to or associated with, any acts, errors, negligent omissions, or intentional wrongful conduct of Chevron, its agents, officers, employees, subcontractors, or independent contractors in performing the Work, or directly resulting from the Work, including, without limit, damage to any real or personal property, or injury to or death of any persons in connection therewith.

Chevron shall undertake all activities conducted hereunder at its sole cost and expense.

9. RELEASE

The City shall release and discharge Chevron, its officers, directors, employees, agents, and representatives from any and all claims, actions, causes of action, rights, demands, debts, obligations, damages, liabilities or losses, including attorney's fees, arising out of, or in any way connected to or associated with, any acts, errors, negligent omissions, or intentional wrongful conduct of Chevron, its agents, officers, employees, subcontractors, or independent contractors in performing the Work, or directly resulting from the Work, including, without limit, damage to any real or personal property, or injury to or death of any persons in connection therewith.

10. INSURANCE

In lieu of insurance coverage, Chevron maintains a self-administered claims program with respect to its duties hereunder. Chevron shall provide to the City a certificate that Chevron is self-insured. Additionally, prior to entering onto the Property or continuing any Work, Chevron's contractors, at their own cost and expense, shall carry, maintain, and provide proof thereof that is acceptable to the City, the insurance specified below with insurers and under forms of insurance satisfactory in all respects to the City. Chevron and its contractors shall not allow any subcontractor to commence work on any subcontract until all insurance required of the contractor has also been obtained for the subcontractor. Insurance required herein shall be provided by insurers authorized to do business and in good standing with the State of California and having a minimum Best's Guide Rating of A- Class VII or better.

- (a) Comprehensive General Liability coverage in an amount not less than one million dollars per occurrence (\$1,000,000.00), combined single limit coverage for risks associated with the Work. If a Commercial General Liability Insurance form or other form with a general aggregate limit is used, either the general aggregate limit shall apply separately to the Work or the general aggregate limit shall be at least twice the required occurrence limit.
- (b) Comprehensive Automobile Liability coverage, including owned, hired and non-owned vehicles in an amount not less than one million dollars per occurrence (\$1,000,000.00).

(c) Worker's Compensation Employer's Liability Insurance in the statutory amount as required by California law.

- (d) Proof of Insurance Requirements/Endorsement. The contractor shall submit the insurance certificates, including the deductible or self-retention amount, and an additional insured endorsement naming the City, its officers, employees, and agents, as additional insureds as respects each of the following: Liability arising out of activities performed by or on behalf of the contractor, including the insured's general supervision of the contractor; products and completed operations of the contractor; or automobiles owned, leased, hired, or borrowed by the contractor. The coverage shall contain no special limitations on the scope of protection afforded the City, its officers, employees, or agents.
- (e) Notice of Cancellation/Termination of Insurance. The above policy/policies shall not terminate, nor shall they be cancelled, nor the coverages reduced, until after thirty (30) days' written notice is given to the City, except that ten (10) days' notice shall be given if there is a cancellation due to failure to pay a premium.

11. LIENS

Chevron shall discharge at once or bond or otherwise secure against all liens and attachments that are filed in connection with the Work, and shall indemnify and save the City and the Property harmless from and against any and all loss, damage, injury, liability, and claims thereof resulting directly from such liens and attachments.

12. NOTICES

Any notices required to be made under this Agreement shall be made in writing to the address of the appropriate Party as set forth below. All such notices shall be deemed to have been duly given and received upon mailing, facsimile, or delivery by courier or personal delivery service. If a Party delivers a notice by means of facsimile transmission, it must also send a copy of that notice by one of the other means specified above. Parties may alter or modify their notice address by delivery of written notice pursuant to the terms of this Agreement.

To Chevron: c/o Chevron Environmental Management Company

Marketing Business Unit 145 S. State College Blvd. Brea, CA 92821-5818 Attn.: Natasha Molla

Phone: (714) 671-3537 Fax: (714) 671-3440

With Copies to:

Soniya D. Ziegler, Esq. Chevron U.S.A. Inc.

6111 Bollinger Canyon Rd., Suite 425

San Ramon, CA 94583 Phone: (925) 543-1718

Fax: (925) 543-2346

Jill C. Teraoka, Esq.
Bingham McCutchen LLP
355 South Grand Ave., Suite 4400
Los Angeles, CA 90071

Phone: (213) 680-6422 Fax: (213) 680-6499

To the City:

City of San Juan Capistrano

32400 Paseo Adelanto

San Juan Capistrano, CA 92675

Attn: [NAME]
Phone: [NUMBER]
Fax: [NUMBER]

With a Copy to:

Duane C. Miller, Esq. Miller Axline & Sawyer

1050 Fulton Avenue, Suite 100

Sacramento, CA 95825 Phone: (916) 488-6688 Fax: (916) 488-4288

13. APPLICABLE LAW

This Agreement shall be interpreted, and any dispute arising hereunder shall be resolved, in accordance with the substantive laws of the State of California, without reference to choice of law rules.

14. ALTERNATIVE DISPUTE RESOLUTION (ADR)

Mindful of the expense and time associated with litigation, the Parties hereby agree as follows:

- a. If any controversy or dispute arises between the Parties relating to this Agreement, the Parties agree to use the following procedure prior to pursuing other legal remedies:
- (i) A meeting shall be held promptly between the Parties, attended by individuals with decision-making authority regarding the dispute, who will attempt in good faith to negotiate a resolution of the dispute.
- (ii) If within fifteen (15) calendar days after the meeting, the Parties have not succeeded in negotiating a resolution of the dispute, they agree to submit the dispute to mediation using a mediator who is mutually acceptable, and to bear equally the costs of the mediation. The Parties agree to participate in good faith in the mediation process related to their dispute for a period of thirty (30) calendar days from the commencement of mediation.
- b. If the Parties are not successful in resolving the dispute through the procedures set forth in subsections (a)(i) and (a)(ii) above, then, and only then:

(i) the Parties may agree to submit the matter to binding arbitration or a private adjudicator; or

- (ii) either Party may initiate litigation upon ten (10) business days advance-written-notice to-the-other-Party.
- c. Each Party's good faith participation in the procedures set forth in this Section is intended to be and is a condition precedent to the right of each Party to pursue the remedies set forth in subsection (b) above.
- d. The Parties recognize that the above procedure will promote settlement, and therefore, is of mutual benefit. Further, each Party understands its obligations under the above procedure and intends such provisions be valid, binding, enforceable, and irrevocable. Neither Party considers these obligations to be vague or in any way unenforceable, and neither will contend to the contrary in the future. Any attempt by a Party to circumvent and/or challenge its obligation to follow the procedures set forth above shall be a considered a breach of this Agreement, for which the non-breaching Party shall be entitled to recover in law and/or equity.

15. COUNTERPARTS

This Agreement may be executed in counterparts, all of which together shall constitute one and the same agreement.

16. NO ADMISSION OF LIABILITY

The Parties acknowledge and agree that neither this Agreement, nor the act of entering into it or any act or omission pursuant hereto shall be construed as an admission of any nature.

17. COMPLIANCE WITH LAWS

Throughout the term of this Agreement, Chevron and the City shall at all times comply fully with all applicable laws, ordinances, rules, and regulations of any governmental agency having jurisdiction over the Property.

18. BINDING EFFECT

Subject to the limitations set forth herein, this Agreement shall run with the land and be binding upon and inure to the benefit of the Parties hereto and their respective heirs, successors, and assigns.

19. ATTORNEY'S FEES

If any action at law or in equity is necessary to enforce or interpret the terms of this Agreement, the substantially prevailing party, as determined by a court of competent jurisdiction, shall be entitled to reasonable attorneys' fees, costs, and necessary disbursements in addition to any other relief to which a court of competent jurisdiction deems it is entitled.

20. GENERAL PROVISIONS

If any term or provision of this Agreement shall be deemed by a court of competent jurisdiction to be invalid or unenforceable, the remaining provisions shall remain in full force

and effect. This Agreement contains the entire agreement between the Parties and supersedes all prior agreements. This Agreement may be modified only by an instrument in writing signed by the Parties. Nothing contained herein shall be deemed to make the Parties partners or engaged in a joint venture with one another.

IN WITNESS WHEREOF, the Parties have caused this Agreement to be executed on the Effective Date set forth above.

CHEVRON:		CHEVRON U.S.A. INC., a Pennsylvania corporation
Dated:	, 2009	By: Name: Its:
CITY:		CITY OF SAN JUAN CAPISTRANO
Dated:	, 2009	By: Name: Its:



Natasha Molla Team Lead, Retail and C&I-Southwest Environmental
Management Company
Marketing Business Unit
145 S. State College
Boulevard
P.O. Box 2292
Brea, California 92822-2292
Tel 714-671-3537
Fax 714-671-3440
natashamolla@chevron.com

December 1, 2009

Mr. Joe Tait
Interim Utilities Director
City of San Juan Capistrano
32400 Paseo Adelanto
San Juan Capistrano, CA 92675

Re:

Revised Preliminary Design Report Chevron MtBE Remediation System Dance Hall Wellhead Treatment

Dear Mr. Tait:

Enclosed for the City of San Juan Capistrano's (City) review is the revised Preliminary Design Report (PDR) for the remediation of the MtBE plume using the Dance Hall Well as the pumping well. The PDR was prepared for Chevron U.S.A. Inc. (Chevron) by Malcolm Pirnie, Inc. (Malcolm Pirnie). It provides the information and engineering that will be used to complete the design and construction documents that are necessary to build the treatment system. The PDR is the next step in compliance with the Interim Remedial Action Plan (IRAP), which was accepted on May 14, 2008, by the Orange County Health Care Agency Local Oversight Program (OCLOP), and Cleanup and Abatement Order No. R9-2009-0124 (CAO), which was issued by the Regional Water Quality Control Board, San Diego Region (SDRWQCB) on September 3, 2009, and revised on September 28, 2009.

During the technical meeting held on October 29, 2009, which was attended by Barry Pulver of the SDRWQCB, the City agreed to provide Chevron with the 80% design package for Groundwater Recovery Plant (GWRP) expansion. In subsequent letters to you dated November 6, 2009, and November 20, 2009, I asked that the City provide Chevron with this design package. However, Chevron has not yet received the City's 80% design. It would have been helpful for Chevron to have received the promised design package for the GWRP expansion prior to completing the PDR. However, given the deadlines in the CAO (including for beginning the construction of the IRAP), it was necessary for Malcolm Pirnie to proceed with the PDR based on information provided to Malcolm Pirnie by the City staff during the November

Mr. Joe Tait December 1, 2009 Page 2

12, 2009 technical meeting. Nevertheless, Chevron will need to have the requested, and promised, GWRP expansion design package prior to completing the 100% design of the remediation system. Please note that the enclosed PDR includes the first item set forth on the first page of Mr. Pulver's November 12, 2009 letter. After Chevron receives the City's 80% design package for GWRP expansion, Chevron will prepare the 100% design plans for the treatment system.

We would like to meet with you and your technical staff to discuss the PDR on Friday, December 11, 2009. Please advise if this date is acceptable and provide your written comments by Wednesday, December 9, 2009 to allow sufficient time for our technical consultants to prepare for the meeting.

Sincerely,

Natasha Molla

Enclosure

cc: Mr. Pulver, SDRWQCB

¹ This item is documentation that the two treatment trains proposed by Chevron will have sufficient capacity to remove petroleum hydrocarbons from the Dance Hall well at extraction rates of up to 1,000 gallons per minute.

T-1/e 86.023-ENGR N Desalber Source-water-guality GWRP-Wells-WQ 2004-pgg

Capistrano Well Water Quality Analysis

BK-C68-200-85



1501 Quail Street

Newport Beach, CA 92660

Capistrano Well Water Quality Analysis

Water quality results for the six new Capistrano wells have been reviewed. Not all of the unregulated constituents data have been returned, however, there is enough information to determine blended well water quality for the purpose of plant design¹. The six wells covered in this analysis are listed below.

- Capistrano Valley Water District (CVWD1)
- Dance Hall
- Kinoshita
- San Juan Basin 2 (SJBA 2)
- San Juan Basin 4 (SJBA 4)
- Tirador

Individually, each well produces water with one or more constituent(s) above the Design Raw Water Quality (DRWQ). Since the raw water from the well is blended at the plant, the impact of a well with a high concentration of a particular constituent is somewhat mitigated by blending with wells with a lower concentration of that constituent. However, under certain operating scenarios, even blending could not keep strontium or manganese concentrations at or below the design water quality. This may present a tangible impact to O&M chemical costs.

Well Water Quality at a glance

Table 1 displays the DRWQ and the raw water quality of each well. The constituents with constituents above the DRWQ are bolded.

Capistrano Valley Water District (CVWD-1)

CVWD-1 is one of the best wells in water quality and production compared with the other six wells. With the exception of radon and strontium, the remaining constituents in its well water are below the DRWQ value. It produces the least amount of manganese, hardness, and second lowest in iron amongst the pool of wells. It is capable of producing over 1,000 gpm.

Dance Hall

The Dance Hall well has the worst water quality, but is still an adequate producer, capable of generating up to 1,000 gpm. The concentrations of iron, manganese, arsenic, and TDS from the Dance hall well water are the highest amongst the six wells and exceed the DRWQ. It also has the highest alkalinity and second highest turbidity amongst the six wells.

¹ Sampling for silica has not been completed as of 5/27/04. High concentration of silica will negatively impact RO recovery and increase membrane cleaning and anti-scaling chemical consumption.

Kinoshita

The Kinoshita well is the least productive well amongst the six, but has the one of the best water qualities. Most constituents in its water are below the DRWQ with the exception of strontium, and concentration of iron is slightly elevated, close to the DRWQ value. The only drawback is that this well only produces about 500 gpm, or half the volume of the other wells.

San Juan Basin 2 (SJBA 2)

SJBA2 is a good well, capable of producing over 1,000 gpm. It has a moderate water quality, with strontium and nickel exceeding the DRWQ values and nitrate and sulfate slightly exceeding the DRWQ. With the exception of strontium, the other constituents will be manageable with the blending and treatment of the well waters.

San Juan Basin 4 (SJBA 4)

Similar the SJBA2, SJBA4 is good well, producing ~1,000 gpm, with an adequate water quality. Most of its water constituents are below the DRWQ with the exception of strontium and nitrate. Only strontium will create a problem or incur additional O&M cost for the treatment process.

Currently, only radon results from sampling CVWD1 and SJBA4 have been received, while the radon results sampled from the other wells are still pending. The DRWQ value for radon reflects the maximum contamination level (MCL) proposed by EPA. Water from both wells exceeds this proposed MCL of 300 pico curies per liter (pCi/L). Note that radon is not removed from the water by the processes included in the treatment plant

Tirador

The Tirador well is a good producer capable of generating ~1,000 gpm, but it is the second worst in water quality amongst the six wells. Its concentrations of arsenic, calcium, fluoride, iron manganese, nitrate, sulfate, strontium and turbidity all exceed the DRWQ, with some exceeding the DRWQ by over 200%.

Table 2 contains the entire list of water quality data sampled from all six wells, including specific organics and unregulated constituents. Constituents required by the California Department of Health Sevices' Primary Drinking Water Standards are denoted 'CDHS' on the right. Actual and proposed maximum contaminant levels set by CDHS are also included when available. Subsequent well samples will be taken to obtain the missing data points not shown in Tables 1 and 2.

Blending Scenario

Since each of the wells has one to several constituents that are higher than the DRWQ, it is logical to blend their waters to meet the raw water quality goals. Based on the water qualities presented in **Table** 1, three blending scenarios are presented. Due to the natural groundwater conditions in the area, neither strontium nor radon can be blended down. However, Radon is an unregulated constituent and the DRWQ value merely reflects the MCL proposed, but not enforced by the EPA.

Plant Operation at full capacity (2 Trains) - All six wells in services

Table 3 illustrates the averaged water quality from the blended well water of all six wells. Since the cumulative potential output from these wells will be greater than the 4,270 gpm required to operate the plant at full capacity, it is assumed either the pumps will be designed with a lower capacity or the line pressure in the water transmission lines will increase. The use of all six wells is very unlikely due to the limited capacity constraint and the use of one well as a stand-by well. The stand-by well will rotate among all wells except for Kinoshita, due to its unique pumping capacity.

Plant Operation at full capacity (2 Trains) - Five wells in services

Since the plant only requires 4,270 gpm at full capacity, this scenario only requires five of the wells to be in service, while the sixth well can serve as a standby well. Given the poor water qualities from the Dance Hall and Tirador wells, it is recommended that either one of these wells should serve as the standby well a majority of the time to reduce O&M treatment cost. **Table 4** illustrates the averaged water quality from the blended well water of CVWD1, Kinoshita, SJBA2, SJBA4, and Tirador. Should it become necessary to operate both Dance Hall and Tirador wells in a five well scenario, the manganese concentration will exceed the DRWQ value of 880 ug/L by 10 ug/L to an averaged blended concentration of 890 ug/L as seen in **Table 5**.

Plant Operation at half capacity (1 Train) - Three wells in services

About 2,140 gpm of water is required to operate one train, or half the plant capacity. This scenario will present a three well scenario using the wells with the better water quality. The wells include the lower producing Kinoshita and the larger CVWD1 and SJBA4. It is assumed if a well failure occurs, SJBA2 will be brought into service to compensate the lost water production. **Table 6** illustrates the averaged water quality from the blended well water.

Presently, it is most important to sample for silica from each well to determine its fouling potential to the RO system and to sample all constituents required by the CDHS to meet drinking water standards. A new set of samples has already been taken and being analyzed. The remaining unregulated constituents found in **Table 2** are merely used for monitoring by the EPA. These constituents could be sampled for at a later date and should not affect plant startup.

TABLE 1 - DESIGN AND NEW WELL WATER QUALITY

				IND NEW WELL	VIII 4011			
Constituent	Units	-DRWQ-	CVWD1-4	Dance Hall 2	Kinoshita	SJBA-2	SJBA-4	Tirador
Aluminum	ug/L	63	ND	4	16	13	ND	2.5
Antimony	ug/L	5	ND	ND	2.3	ND	ND	ND
Aroma	units	2	1	2	1	1	1	2
Arsenic	ug/L	9	ND	17	ND	ND	ND	16
Barium	ug/L	107	43	69	95	54	5 9	50
Beryllium	.ug/L	4	ND .	ND	ND	ND	ND	ND
Bicarbonate	mg/L	363	263	348	265	. 268	272	327
Cadmium	ug/L	0.5	ND	ND .	ND	ND	ND	ND
Calcium	mg/L	231	230	280	210	220	220	250
Chloride	mg/L	277	. 212	300	165	224	211	270
Chromium	ug/L	2.7	ND	ND	ND .	ND	ND	ND
Color	units	92	1.0	23.0	6.0	1.0	1.0	21.6
Copper	ug/L	17	ND	ND	ND	7.8	ND	ND
Fluoride	ug/L	765	510	140	760	530	640	2005
Gross Alpha	pCi/L	15	3.41	3.22			3.18	1.1
Gross Beta	pCi/L	50	4.64	5.02			3.51	3.29
Iron	ug/L	2310	270	4,100	2,000	270	220	3,600
Lead	ug/L	3.6	ND		ND	ND	ND	
Magnesium	mg/L	72	46	82	44	48	49	63
Manganese	ug/L	880	100	2,100	340	220	480	1,600
Mercury	ug/L	0.5	ND	ND	ND	ND	ND	ND
Nickel	ug/L	10	ND	16	3.5	11	4 :	3.9
Nitrate (as NO3)	mg/L	5.2	2.3	15.1		9.8	8.4	38
Potassium	mg/L	5.1	3.5	5.6	4.4	3.7	5.4	6.2
Radon	pCi/L	300	466				419	
Selenium	ug/L	5	ND	9.1	ND	2.1	2.4	4
Silica	ug/L	27813						
Silver	ug/L	1	ND	ND	ND	ND	ND	ND
Sodium	mg/L	227	150	250	100	160	170	320
Specific Organics	ug/L	* .			See Tal			
Strontium	ug/L	805	1,100		1,100	1,100	1,100	
Sulfate	mg/L	525	420	900	390	600	475	760
TDS*	mg/L	1705.3	1,290	2,200	1,070	1,500	1,270	1,840
Thallium	ug/L	1	ND	ND	ND	ND	ND	ND
TOC	mg/L	2.2	0.58		1.4	1.1	ND	
Turbidity	NTU	30	0.52	25.4	21.9	0.33	0.84	58.5
Zinc	ug/L	148	71	19	22	47	31	32

^{&#}x27;ND' indicates Not Detected

A blank cell indicates data not yet available

^{*} The maximum allowable dinrking water contaminant levels for specific organics set forth in the Safe Drinking Water Act shall serve to establish the Design Raw Water Quality (DRWQ) limit for the specific organics for the purpose of this report

Table 2 - Complete Water Quality, including Specific Organics & Unregulated Constituents									
-			11/10/03	5/4/04	4/27/04	3/1/04	1/6/04	1	
Constituent	Units	MCL (ug/L)	CVWD-1	Dance Hall	Kinoshita	SJBA-2	SJBA-4	Tirador	Req'r?
1,1,2-Tetrachloroethane	ug/L		ND	ND	ND	ND	ND	ND ·	1
1,1,1-Trichloroethane	ug/L	200	ND	ND	ND	ND	ND	ND	cdhs
1,1,2,2-Tetrachloroethane	ug/L	1 1	ND	ND	ND	ND	ND	ND	cdhs
1,1,2-Trichloro-1,2,2-									
trifluoroethane	ug/L	1.2	ND	ND ·	ND	ND	ND	ND	cdhs
1,1,2-Trichloroethane	ug/L	5	ND	ND	ND	ND	ND	ND	cdhs
1,1-Dichloroethane	ug/L	5	ND	ND	ND	ND	ND	ND	cdhs
1,1-Dichloroethyene	ug/L	6	ND	ND	ND	ND	ND	ND	cdhs
1,1-Dichloropropene	. ug/L		ND	ND	ND	ND	ND	ND	
1,2,3-Trichlorobenzene	ug/L		ND	ND	ND	ND	ND	ND .	1
1,2,3-Trichloropropane	ug/L		ND .	ND	ND	ND	ND	ND	
1,2,4-Trichlorobenzene	ug/L	-5	ND	ND	ND	ND	ND	ND	cdhs
1,2,4-Trimethylbenzene	ug/L		ND	ND	ND	ND	ND	ND	• 1
1,2-Dibromoethane	ug/L		ND	ND	ND	ND	ND	ND	
1,2-Dichlorobenzene	ug/L	600	ND	ND	ND	ND	ND	ND	cdhs
1,2-Dichloroethane	ug/L	0.5	ND	ND	ND	ND	ND	ND	cdhs
1,2-Dichloropropane	ug/L	5	ND	ND	ND	ND	ND	ND	cdhs
1,3,5-Trimethylbenzene	ug/L	· ·	ND	ND	ND .	ND	ND	ND	
1,3-Dichlorobenzene	ug/L		ND	ND	ND	ND	ND	ND	l
1,3-Dichloropropane	ug/L		ND	ND	ND	ND	ND	ND	
1,4-Dichlorobenzene	ug/L	5	ND	ND	ND	ND	ND	ND	cdhs
2,2-Dichloropropane	ug/L		ND	ND	ND	ND	ND	ND	
2,3,7,8-TCDD (Dioxin)	ug/L	0.00003	ND	ND	ND	ND	ND	ND	cdhs
2,4,5-T	ug/L	0.0000	ND	ND	ND	ND	ND	ND	
2,4,5-TP (Silvex)	ug/L	50	ND	ND	ND	ND	ND	ND	cdhs
2,4-D	ug/L	70	ND	ND	ND	ND	ND	ND	cdhs
2,4-DB	ug/L		ND	ND	ND	ND	ND	ND	
2-Chloroethylvinyl ether	ug/L		ND	ND	ND	ND	ND	ND	ŀ
2-Chlorotoluene	ug/L	**	ND	ND	ND	ND	ND	ND	
3,5-Dichlorobenzoic acid	ug/L		ND	ND	ND	ND	ND	ND	.
3-Hydroxycarbofuran	ug/L		ND	ND		ND	ND	ND	
4-Chlorotoluene	ug/L		ND	ND	ND	ND	ND	ND	
Acifluorfen	ug/L	190	ND	ND	ND -	ND	ND	ND	
Alachior	ug/L	2	ND	ND	ND	ND	ND	ND	cdhs
Aldicarb	ug/L		ND	ND		ND	ND	ND	
Aldicarb Sulfone	ug/L		ND	ND		ND	ND	ND	
Aldicarb Sulfoxide	ug/L		ND	ND		ND	ND	ND	
Aldrin	ug/L	0.05	ND	ND	ND	ND	ND	ND.	
Alkalinity (CaCO3)	mg/L	0.05	ND	ND	ND	ND	ND	ND	
Aluminum	ug/L	200	ND	3.5	16	13	ND.	2.5	cdhs
Antimony	ug/L	6	ND.	ND	2.3	ND	ND	ND -	cdhs
Arsenic	ug/L	50	ND	ND	ND	ND	ND	16	cdhs
Asbestos	MFL	7	ND	ND	ND	ND	ND	ND	cdhs
Atrazine	ug/L	. 1	ND	ND ·	ND	ND	ND	· ND	cdhs
Barium	ug/L ug/L	1000	43	69	95	54	59	50	cdhs
Bentazon	ug/L	18	ND	ND	ND	ND	ND	ND ·	cdhs
Benzene	ug/L ug/L	10	ND	ND	ND	ND ND	ND	ND ND	cdhs
1		0.2	ND	ND	ערו	ND ND	· ND	ND	cdhs
Benzo(a)pyrene	ug/L	0.2	עאו	עיז		עעו	עאו	עואו	cuis

	Samp	le Date	4/7/04	11/10/03	5/4/04	4/27/04	3/1/04	1/6/04		
Constituent	Units	MCL (ug/L)	CVWD-1	Dance Hall	Kinoshita	SЈВА-2	SJBA-4	Tirador	Req'r?	
Beryllium	ug/L	4	ND	ND	ND	ND	ND	ND	cdhs	
Bicarbonate Alkalinity	mg/L		263	348	265	268	272	327		ĺ
Boron	mg/L		0.17	0.43	0.12	0.2	0.25	0.57		ĺ
Bromacil (HYVAR)	ug/L		ND	ND		ND	ND	ND		ĺ
Bromobenzene	ug/L		ND	ND	ND	ND	ND	ND		
Bromochloromethane	ug/L		ND	ND	ND	ND	ND	ND		
Bromodichloromethane	ug/L		ND	ND	ND	ND	ND	ND		
Butachlor	ug/L		ND	ND		ND	ND	. ND	ĺ	
Cadmium	ug/L	5	ND	ND	ND .	ND	ND	ND	cdhs	1
Calcium	mg/L		230	280	210	220	220	250		1
Carbaryl (SEVIN)	ug/L	60	ND	ND		ND	ND	ND		
Carbofuran	ug/L	18	. ND	ND		ND	ND.	ND	cdhs	
Carbon tetrachloride	ug/L	0.5	ND	ND	ND	ND	ND	ND	cdhs	
Chlordane	ug/L	0.1	ND	ND	ND	ND.	ND	ND.	cdhs	
Chlordane alpha	ug/L		ND	ND	ND	ND	ND	ND		
Chlordane gamma	ug/L		ND	ND	ND	ND	ND	ND		
Chloride	mg/L	250	212	300	165	224	. 211	270	cdhs	
Chlorobenzene	ug/L	100	ND	ND -	ND	ND ·	ND	ND		1
Chloroethane	ug/L		ND	ND	ND	ND	ND	ND		
Chloroform	ug/L		ND	ND	ND	ND	ND	ND		ĺ
Chloromethane	ug/L		ND	ND	ND	ND	ND	ND		
Chromium	ug/L	50	ND	ND	ND	ND	ND	ND	cdhs	ĺ
Chromium (VI)	ug/L		ND	ND	ND	ND	ND	ND		ĺ
cis-1,2-Dichloroethylene	ug/L	6	ND	ND	ND	ND	ND	ND	cdhs	
cis-1,3-Dichloropropene	ug/L	0.5	ND	ND	ND	ND	ND	ND	cdhs	
cis-Nonachlor	ug/L		ND	ND	ND	ND	ND	ND .		
	Color	15				, i			ļ	
Color	Units	Units	1	23	6	1	1	21.6	cdhs	ĺ
Radium 226/228	pCi/L	5		if MCL fo	or Gross Al	pha particl	es are exce		cdhs	ĺ
Copper	ug/L	1000	ND	ND	ND	7.8	ND	ND	cdhs	l
Cyanide	mg/L	15	ND	ND	ND	ND	ND	ND	cdhs	ľ
Dalapon	ug/L	200	ND	ND	ND	ND	ND	ND	cdhs	
Di(2-ethylhexyl) phthalate	ug/L	4	ND	ND		ND	ND .	ND	cdhs	
Di(2-ethylhexyl)adipate	ug/L	400.	ND	ND		ND	ND	ND	cdhs	
Diazinon	ug/L		ND	ND	[ND	ND	ND		
Dibromochloromethane	ug/L		ND	ND	ND	ŅD	ND	ND		
Dibromochloropropane	ug/L	0.2	ND	ND	ND	ND	ND	ND	cdhs	
Dibromomethane	ug/L		ND	ND	ND	ND	ND	ND		ı
Dicamba (BANVEL)	ug/L		ND	ND	ND	ND	ND	ND		
Dichlorodifluoromethane	ug/L		ND	, ND	ND	ND	ND	ND .		
Dichloromethane	ug/L	5	See Ethylene Dichloride							١
Dichlorprop	ug/L		ND	ND	ND	ND	ND	ND		
Dieldrin	ug/L	0.05	ND	ND	ND	ND	ND	ND		
Diethyl phthalate (DEHP)		ug/L See Di (2 ethylhexyl) phthalate								
Di-isopropyl ether	ug/L		ND.	ND	ND	ND	ND	ND		Ì
Dimethoate (CYGON)	ug/L		ND	ND		ND	ND	ND	[
Dinoseb	ug/L	7	ND	ND .	ND	ND	ND	ND	cdhs	
Diquat	ug/L	20	ND	ND		ND	ND	-ND	cdhs	
Diuron	ug/L									
E. Coli			Absent	Absent	<2	Absent	Absent	Absent	1	

	Sai	nple Date	4/7/04	11/10/03	5/4/2004	4/27/04	3/1/04	1/6/04	
Constituent	Units	MCL (ug/L)	CVWD-1	Dance Hall	Kinoshita	SJBA-2	SJBA-4	Tirador	Req'r?
EC (specific conductance)	umhos/cm	900-1600	1880	3160	1540	2140	1820	2610	cdhs
Endothall	ug/L	100	ND	ND		ND	ND	ND	cdhs
Endrin	ug/L	. 2	ND	ND	ND	ND	ND	ND	cdhs
Ethyl t-butyl ether (Ethyl Tert-					,		ĺ		
butyl Ether)	ug/L		ND	ND	ND	ND	ND	ND	
Ethylbenzene	ug/L	300	ND	ND	ND	ND	ND .	ND	cdhs
Ethylene dibromide (EDB)	ug/L	0.05		See 1,2	Dibromoet	hane			cdhs
Fecal Coliforms			Absent	Absent	<2	Absent	Absent .	Absent	
Fluoride	mg/L	2	0.51	0.14	0.76	0.53	0.64	2.05	cdhs
gamma-BHC (Lindane)	ug/L	0.2	ND	ND .	ND		ND .	ND	
Glyphosate	ug/L	700	ND	ND		ND	ND.	ND	cdbs
Gross Alpha	pCi/L	15	3.41	3.22			3.18	1.1	cdhs
Gross Beta Particle	pCi/L	50	4.64	5.02			3.51	3.29	cdhs
Heptachlore epoxide	ug/L	0.01	ND	ND	ND	ND .	ND	ND	cdhs
hexachlorobenzene	ug/L	1	ND	ND	ND	ND	ND	ND	cdhs
Hexachlorobutadiene	ug/L		ND -	ND	ND	ND	ND	ND	
Hexachlorocyclopentadiene	ug/L	50	ND	ND	ND	ND	ND	ND	cdhs
Hydroxide Alkalinity	mg/L		ND	ND	ND	ND	ND	ND	
Iron	ug/L	300	270	4100	2000	270	220	3600	cdhs
Isopropylbenzene (Cumene)	ug/L	500	ND	ND	ND	ND	ND	ND	
Langelier Index	ج وه		-0.24	0.47	0.15	0.54	0.13	0.76	1
Lead	ug/L	15	ND	0.47	ND	ND	ND	0.70	cdhs
Lindane	ug/L	0.2	ND	ND :	ND	ND	ND	ND	cdhs
Magnesium	mg/L	0.2	46	82	44	48	49	63	Cums
Manganese	ug/L	50	100	2100	340	220	480	1600	cdhs
Mercury		2	ND :	ND ND	ND	ND .	ND	ND	cdhs
Methiocarb	ug/L		ND	ND	IND	ND	ND	ND	Cuis
	ug/L		ND ·	ND	,	ND	ND	ND	
Methomyl Methoxychlor	ug/L	40	ND	ND	ND	ND	ND	ND	cdhs
Methyl Blue Active Substances	ug/L	40	ND	ן אט	ND	ND	שאו	עאו ו	Cuis
(MBAS - Foaming Agent)	mg/L	500	ND	ND	ND	ND	ND	ND	
Methyl ethyl ketone	ug/L	. 300	ND	ND	- ND	ND	ND	ND	
Methyl Isobutyl ketone	ug/L		ND	ND	ND	ND .	ND	ND	
Methyl t-butyl ether (MTBE)	ug/L	5	ND	ND	ND	ND	ND	ND	cdhs
Methylene chloride	ug/L	,	ND	ND	ND	ND	ND	ND	Cuis
Metolachlor				1	עאו		1	ND	
1	ug/L		ND ·	ND	j ·	ND	ND	1 .	
Metribuzin (Sencore)	ug/L	20	ND	ND		ND	ND	ND	
Molinate	ug/L	20	ND	ND	.	ND	ND	ND	cdhs
Naphthalene	ug/L		ND	ND	ND	ND	ND	ND	
n-Butylbenzene	ug/L		ND	ND	ND	ND	ND	ND	
Nickel	ug/L	100	ND	16	3.5	11	4	3.9	cdhs
Nitrate (NO3)	mg/L	45	2.3	15.1	2.7	9.79	8.4	37.8	cdhs
Nitrite (N)	ug/L	1000	ND	ND	ND	ND ·	ND	0.03	cdhs
n-Propyibenzene	ug/L		ND	ND	ND	ND	ND	ND	

	Sam	ple Date	4/7/04	11/10/03	5/4/2004	4/27/04	3/1/04	1/6/04		
Constituent	Units	MCL (ug/L)	CVWD1-4	Dance Hall	Kinoshita	SJBA-2	SJBA-4	Tirador	Req'r?	_
Odor	Odor Unit	3 Units	1	2	1	1	1	2	cdhs	
Oxamyl	ug/L	50	ND	ND	.	ND	ND	ND	cdhs	
o-Xylene	ug/L		ND	ND	ND	ND	ND	ND		-
p- & m-Xylenes	ug/L		ND	ND	ND	ND	ND	ND		
Paraquat	ug/L		ND	ND		ND	ND .	ND		
PCB-1016	ug/L		ND	ND	ND	ND	ND	ND		i I
PCB-1221	ug/L		ND	ND	ND	ND	ND	ND		
PCB-1232	ug/L		ND ·	ND	ND	ND	ND	ND		i
PCB-1242	ug/L		ND	ND	ND	ND	ND	ND		
PCB-1248	ug/L		ND	ND	ND	ND	ND	ND		: !
PCB-1254	ug/L		ND	ND	ND	ND	ND	ND		i
PCB-1260	ug/L	.]	ND	ND	ND .	. ND	ND	ND		
Pentachlorophenol	ug/L	1	ND	ND	ND	ND	ND .	ND	cdhs	l
Perchlorates	ug/L	18	ND	ND		· ND	ND	ND		i
pH (Lab)	pH Units	6.5-8.5	6.78	7.12	7.02	7.43	6.97	7.5	}	i i
Phthalates	ug/L			·						-
Pichloram	ug/L	500	ND	ND	ND	ND	ND	ND	cdhs	r e
p-Isopropyltoluene	ug/L		ND	ND	ND	ND	ND	ND		
Polychlorinated Biphenyls (PCB)	ug/L	0.5	ND ·	ND	ND	ND	ND	ND	cdhs	-
Polycyclic Acrylic Hydrcarbons	ug/L		* *							ı
Potassium	mg/L		3.5	5.6	4.4	3.7	5.4	6.2		i
Prometon	ug/L		ND	ND		ND	ND	ND		
Prometryne	ug/L		ND	ND	<u> </u> :	ND	ND	ND		ir
Radium 228	pCi/L	3	Sample requi	red only if MO	CL for Gros	s Alpha pa	•	١.	cdhs	
Radon 222	pCi/L	300	466		· 1		419			
sec-Butylbenzene	ug/L		ND	ND	ND.	ND	ND	ND		į
Selenium	ug/L	50	ND	9.1	ND	2.1	2.4	4	cdhs	i
Silica	ug/L									í
Silver	ug/L	100	ND	ND	ND	ND	ND	ND	cdhs	
Simazine	ug/L	4	ND	ND	ND	ND	ND	ND	cdhs	
Sodium	mg/L		150	250	100	160	170	320		i
Strontium	mg/L		1.1		1.1	1.1	1.1			
Strontium 90	pCi/L	8	0.19	0.15			0.24	0.37	cdhs	į
Styrene	ug/L	100	ND	ND	ND	ND	ND	ND	cdhs	
Sulfate		200-500		900	390	600	475	760	cdhs	-
t-Amyl Methyl ether (Tert-amyl				-						
Methyl Ether)	ug/L		ND	ND	ND	ND	ND	ND		
t-Butyl alcohol	ug/L		ND	ND	ND	ND	ND	ND		
TDS total dissolved solids	mg/L	500	1290	2200	1070	1500	1270	1840	cdhs	
tert-Butylbenzene	ug/L	.	ND	ND	ND	ND	ND	ND		
Tetrachloroethylene	ug/L	5	ND.	ND	ND	ND	ND	ND	cdhs	i

	Samı	ole Date	4/7/04	11/10/03	5/4/2004	4/27/04	3/1/04_	_1/6/04_	
Constituent	Units	MCL (ug/L)	CVWD1-4	Dance Hall	Kinoshita	SJBA-2	SJBA-4	Tirador	Req'r?
Thallium	ug/L	2	ND	ND	ND	ND	· ND	ND	cdhs
Thiobencarb	ug/L	1	ND	ND		ND	ND	ND	cdhs
Toluene	ug/L	150	ND	ND	ND	ND	ND	. ND	cdhs
Total Alkalinity (CaCO3)	mg/L	·	263	348	265	268	272	327	
Total Coliforms	%	0.05	Absent	Absent	17	Absent	Absent	Absent	ľ
Total Nitrate/Nitrite	mg/L		2.3	3.4	2.71	2.1	1.9	8.53	
Total Organic Carbon	mg/L		0.58		1.4	1.1	ND		
Total Trihalomehtanes	ug/L	80	ND	ND	ND	ND	ND	ND	
Total Xylenes	ug/L	1750		See o	-xylene, p	& m-xylene			cdhs
Toxaphene	ug/L	3	ND	ND	ND	ND	ND	ND	cdhs
trans-1,2-Dichloroethylene	ug/L	10	ND	ND	ND	ND	ND	ND	cdhs
trans-1,3-Dichloropropene	ug/L	0.5	ND	ND	· ND	ND	ND	ND	cdhs
trans-Nonachlor	ug/L		ND .	ND	ND	ND	ND	ND	
Trichloroethylene	ug/L	5	ND	ND	ND	ND	ND	ND	cdhs
Trichlorofluoromethane	ug/L	150	ND -	ND	ND	ND	ND	ND	cdhs
Tritium	pCi/L	20,000	114	-42.5			193	255	cdhs
TTL-Filterable Residue @ 180C									
Turbidity	NT Units	5	0.52	25.4	21.9	0.33	. 0.84	58.5	cdhs
Uranium	pCi/L	20	•						cdhs
Vanadium	ug/L		ND	ND	ND	ND	ND	ND	
Vinyl chloride	ug/L	0.5	ND	ND	ND	ND	ND .	ND	cdhs
Zinc	ug/L	5,000	71	19	22	47	31	32	cdhs

Table 3 - Blended Water Quality with six wells

CVWD1, Dance Hall, Kinoshita, SJBA2, SJBA4, & Tirador

Constituent Units DRWQ Average	CVWD1, Dance Hall, Kinosh	ita, SJBA2, SJBA4,	& Tirador	
Antimony ug/L 5 0 Aroma units 2 1 Arsenic ug/L 9 7 Barium ug/L 107 54 Beryllium ug/L 4 0 Bicarbonate mg/L 363 268 Cadmium ug/L 0.5 0.0 Calcium mg/L 231 218 Chloride mg/L 277 217 Chromium ug/L 2.7 0.0 Color units 92 8.4 Copper ug/L 17 1.6 Fluoride ug/L 765 701 Gross Alpha pCi/L 15 2.7 Gross Beta pCi/L 50 4.1 Iron ug/L 3.6 0.0 Magnesium mg/L 72 52 Manganese ug/L 880 778 Mercury ug/L 880 778	Constituent	Units	DRWQ	Average
Aroma units 2 1 Arsenic ug/L 9 7 Barium ug/L 107 54 Beryllium ug/L 4 0 Bicarbonate mg/L 363 268 Cadmium ug/L 0.5 0.0 Calcium mg/L 231 218 Chloride mg/L 277 217 Chromium ug/L 2.7 0.0 Color units 92 8.4 Copper ug/L 17 1.6 Fluoride ug/L 765 701 Gross Alpha pCi/L 15 2.7 Gross Beta pCi/L 50 4.1 Iron ug/L 2,310 1,577 Lead ug/L 3.6 0.0 Magnesium mg/L 72 52 Manganese ug/L 880 778 Mercury ug/L 0.5 0.0 <	Aluminum	ug/L	63	5
Arsenic ug/L 9 7 Barium ug/L 107 54 Beryllium ug/L 4 0 Bicarbonate mg/L 363 268 Cadmium ug/L 0.5 0.0 Calcium mg/L 231 218 Chloride mg/L 277 217 Chloride mg/L 277 0.0 Color units 92 8.4 Copper ug/L 765 701 Gross Alpha pCi/L 15 2.7 Gross Alpha pCi/L 15 2.7 Gross Beta pCi/L 50 4.1 Iron ug/L 2,310 1,577 Lead ug/L 3.6 0.0 Magnesium mg/L 72 52 Manganese ug/L 880 778 Mercury ug/L 0.5 0.0 Nickel ug/L 5.2 14.7 </td <td>Antimony</td> <td>ug/L</td> <td>5</td> <td>0</td>	Antimony	ug/L	5	0
Barium ug/L 107 54 Beryllium ug/L 4 0 Bicarbonate mg/L 363 268 Cadmium ug/L 0.5 0.0 Calcium mg/L 231 218 Chloride mg/L 277 217 Chromium ug/L 2.7 0.0 Color units 92 8.4 Copper ug/L 17 1.6 Fluoride ug/L 765 701 Gross Alpha pCi/L 15 2.7 Gross Alpha pCi/L 50 4.1 Iron ug/L 765 701 Gross Beta pCi/L 50 4.1 Iron ug/L 3.6 0.0 Magnesium mg/L 72 52 Manganese ug/L 880 778 Mercury ug/L 880 778 Mercury ug/L 10 6	Aroma	units	2	1
Beryllium Bicarbonate mg/L 363 268 2	Arsenic	ug/L	9	7
Bicarbonate mg/L 363 268 Cadmium ug/L 0.5 0.0 Calcium mg/L 231 218 Chloride mg/L 277 217 Chromium ug/L 2.7 0.0 Color units 92 8.4 Copper ug/L 17 1.6 Fluoride ug/L 765 701 Gross Alpha pCi/L 15 2.7 Gross Beta pCi/L 50 4.1 Iron ug/L 2,310 1,577 Lead ug/L 3.6 0.0 Magnesium mg/L 72 52 Manganese ug/L 880 778 Mercury ug/L 0.5 0.0 Nickel ug/L 10 6 Nitrate (as NO3) mg/L 5.2 14.7 Potassium mg/L 5.1 4.4 Radon pCi/L 300	Barium	ug/L	107	54
Cadmium ug/L 0.5 0.0 Calcium mg/L 231 218 Chloride mg/L 277 217 Chromium ug/L 2.7 0.0 Color units 92 8.4 Copper ug/L 17 1.6 Fluoride ug/L 17 1.6 Fluoride ug/L 15 2.7 Gross Alpha pCi/L 15 2.7 Gross Alpha pCi/L 50 4.1 Iron ug/L 2,310 1,577 Lead ug/L 3.6 0.0 Magnesium mg/L 72 52 Manganese ug/L 880 778 Mercury ug/L 0.5 0.0 Nickel ug/L 10 6 Nitrate (as NO3) mg/L 5.2 14.7 Potassium mg/L 5.1 4.4 Radon pCi/L 300 <t< td=""><td>Beryllium</td><td>ug/L</td><td>4 .</td><td>0</td></t<>	Beryllium	ug/L	4 .	0
Calcium mg/L 231 218 Chloride mg/L 277 217 Chromium ug/L 2.7 0.0 Color units 92 8.4 Copper ug/L 17 1.6 Fluoride ug/L 765 701 Gross Alpha pCi/L 15 2.7 Gross Beta pCi/L 50 4.1 Iron ug/L 2,310 1,577 Lead ug/L 3.6 0.0 Magnesium mg/L 72 52 Manganese ug/L 880 778 Mercury ug/L 0.5 0.0 Nickel ug/L 10 6 Nitrate (as NO3) mg/L 5.2 14.7 Potassium mg/L 5.1 4.4 Radon pCi/L 300 443 Selenium ug/L 5 4 Silica ug/L 1.0 0.	Bicarbonate	mg/L	363	268
Chloride mg/L 277 217 Chromium ug/L 2.7 0.0 Color units 92 8.4 Copper ug/L 17 1.6 Fluoride ug/L 765 701 Gross Alpha pCi/L 15 2.7 Gross Beta pCi/L 50 4.1 Iron ug/L 2,310 1,577 Lead ug/L 3.6 0.0 Magnesium mg/L 72 52 Manganese ug/L 880 778 Mercury ug/L 880 778 Mercury ug/L 0.5 0.0 Nickel ug/L 10 6 Nitrate (as NO3) mg/L 5.2 14.7 Potassium mg/L 5.1 4.4 Radon pCi/L 300 443 Selenium ug/L 5 4 Silica ug/L 1.0 0.	Cadmium	ug/L	0.5	0.0
Chromium ug/L 2.7 0.0 Color urits 92 8.4 Copper ug/L 17 1.6 Fluoride ug/L 765 701 Gross Alpha pCi/L 15 2.7 Gross Beta pCi/L 50 4.1 Iron ug/L 50 4.1 Iron ug/L 3.6 0.0 Magnesium mg/L 72 52 Manganese ug/L 880 778 Mercury ug/L 0.5 0.0 Nickel ug/L 10 6 Nitrate (as NO3) mg/L 5.2 14.7 Potassium mg/L 5.1 4.4 Radon pCi/L 300 443 Selenium ug/L 5 4 Silica ug/L 1.0 0.0 Sodium mg/L 227 178 Strontium ug/L 805 963 <td>Calcium</td> <td>mg/L</td> <td>231</td> <td>218</td>	Calcium	mg/L	231	218
Color urits 92 8.4 Copper ug/L 17 1.6 Fluoride ug/L 765 701 Gross Alpha pCi/L 15 2.7 Gross Beta pCi/L 50 4.1 Iron ug/L 50 4.1 Iron ug/L 3.6 0.0 Magnesium mg/L 72 52 Manganese ug/L 880 778 Mercury ug/L 0.5 0.0 Nickel ug/L 10 6 Nitrate (as NO3) mg/L 5.2 14.7 Potassium mg/L 5.1 4.4 Radon pCi/L 300 443 Selenium ug/L 5 4 Silica ug/L 1.0 0.0 Sodium mg/L 27,813 n/a Silver ug/L 805 963 Sulfate mg/L 1,705 1,439<	Chloride	mg/L	277	217
Copper ug/L 17 1.6 Fluoride ug/L 765 701 Gross Alpha pCi/L 15 2.7 Gross Beta pCi/L 50 4.1 Iron ug/L 2,310 1,577 Lead ug/L 3.6 0.0 Magnesium mg/L 72 52 Manganese ug/L 880 778 Mercury ug/L 0.5 0.0 Nickel ug/L 10 6 Nitrate (as NO3) mg/L 5.2 14.7 Potassium mg/L 5.1 4.4 Radon pCi/L 300 443 Selenium ug/L 5 4 Silica ug/L 1.0 0.0 Sodium mg/L 27,813 n/a Silver ug/L 1.0 0.0 Sodium mg/L 227 178 Strontium ug/L 525	Chromium	ug/L	2.7	0.0
Fluoride ug/L 765 701 Gross Alpha pCi/L 15 2.7 Gross Beta pCi/L 50 4.1 Iron ug/L 2,310 1,577 Lead ug/L 3.6 0.0 Magnesium mg/L 72 52 Manganese ug/L 880 778 Mercury ug/L 0.5 0.0 Nickel ug/L 10 6 Nitrate (as NO3) mg/L 5.2 14.7 Potassium mg/L 5.1 4.4 Radon pCi/L 300 443 Selenium ug/L 5 4 Silica ug/L 1.0 0.0 Sodium mg/L 227,813 n/a Strontium ug/L 805 963 Sulfate mg/L 525 558 TDS mg/L 1,705 1,439 Thallium ug/L 1.0	Color	units	92	8.4
Gross Alpha pCi/L 15 2.7 Gross Beta pCi/L 50 4.1 Iron ug/L 2,310 1,577 Lead ug/L 3.6 0.0 Magnesium mg/L 72 52 Manganese ug/L 880 778 Mercury ug/L 0.5 0.0 Nickel ug/L 10 6 Nitrate (as NO3) mg/L 5.2 14.7 Potassium mg/L 5.1 4.4 Radon pCi/L 300 443 Selenium ug/L 5 4 Silica ug/L 1.0 0.0 Sodium mg/L 227,813 n/a Silver ug/L 1.0 0.0 Sodium mg/L 227 178 Strontium ug/L 805 963 Sulfate mg/L 1,705 1,439 Thallium ug/L 1.0	Copper	ug/L	17	1.6
Gross Beta pCi/L 50 4.1 Iron ug/L 2,310 1,577 Lead ug/L 3.6 0.0 Magnesium mg/L 72 52 Manganese ug/L 880 778 Mercury ug/L 0.5 0.0 Nickel ug/L 10 6 Nitrate (as NO3) mg/L 5.2 14.7 Potassium mg/L 5.1 4.4 Radon pCi/L 300 443 Selenium ug/L 5 4 Silica ug/L 27,813 n/a Silver ug/L 1.0 0.0 Sodium mg/L 227 178 Strontium ug/L 805 963 Sulfate mg/L 525 558 TDS mg/L 1,705 1,439 Thallium ug/L 1.0 0.0 TOC mg/L 2.2 0.6 </td <td>Fluoride</td> <td>ug/L</td> <td>765</td> <td>701</td>	Fluoride	ug/L	765	701
Iron ug/L 2,310 1,577 Lead ug/L 3.6 0.0 Magnesium mg/L 72 52 Manganese ug/L 880 778 Mercury ug/L 0.5 0.0 Nickel ug/L 10 6 Nitrate (as NO3) mg/L 5.2 14.7 Potassium mg/L 5.1 4.4 Radon pCi/L 300 443 Selenium ug/L 5 4 Silica ug/L 27,813 n/a Silver ug/L 1.0 0.0 Sodium mg/L 227 178 Strontium ug/L 805 963 Sulfate mg/L 525 558 TDS mg/L 1,705 1,439 Thallium ug/L 1.0 0.0 TOC mg/L 2.2 0.6	Gross Alpha	pCi/L	15	2.7
Lead ug/L 3.6 0.0 Magnesium mg/L 72 52 Manganese ug/L 880 778 Mercury ug/L 0.5 0.0 Nickel ug/L 10 6 Nitrate (as NO3) mg/L 5.2 14.7 Potassium mg/L 5.1 4.4 Radon pCi/L 300 443 Selenium ug/L 5 4 Silica ug/L 5 4 Silver ug/L 1.0 0.0 Sodium mg/L 227 178 Strontium ug/L 805 963 Sulfate mg/L 525 558 TDS mg/L 1,705 1,439 Thallium ug/L 1.0 0.0 TOC mg/L 2.2 0.6	Gross Beta	pCi/L	50	4.1
Magnesium mg/L 72 52 Manganese ug/L 880 778 Mercury ug/L 0.5 0.0 Nickel ug/L 10 6 Nitrate (as NO3) mg/L 5.2 14.7 Potassium mg/L 5.1 4.4 Radon pCi/L 300 443 Selenium ug/L 5 4 Silica ug/L 27,813 n/a Silver ug/L 1.0 0.0 Sodium mg/L 227 178 Strontium ug/L 805 963 Sulfate mg/L 525 558 TDS mg/L 1,705 1,439 Thallium ug/L 1.0 0.0 TOC mg/L 2.2 0.6	Iron	ug/L	2,310	1,577
Manganese ug/L 880 778 Mercury ug/L 0.5 0.0 Nickel ug/L 10 6 Nitrate (as NO3) mg/L 5.2 14.7 Potassium mg/L 5.1 4.4 Radon pCi/L 300 443 Selenium ug/L 5 4 Silica ug/L 27,813 n/a Silver ug/L 1.0 0.0 Sodium mg/L 227 178 Strontium ug/L 805 963 Sulfate mg/L 525 558 TDS mg/L 1,705 1,439 Thallium ug/L 1.0 0.0 TOC mg/L 2.2 0.6	Lead	ug/L	3.6	0.0
Mercury ug/L 0.5 0.0 Nickel ug/L 10 6 Nitrate (as NO3) mg/L 5.2 14.7 Potassium mg/L 5.1 4.4 Radon pCi/L 300 443 Selenium ug/L 5 4 Silica ug/L 27,813 n/a Silver ug/L 1.0 0.0 Sodium mg/L 227 178 Strontium ug/L 805 963 Sulfate mg/L 525 558 TDS mg/L 1,705 1,439 Thallium ug/L 1.0 0.0 TOC mg/L 2.2 0.6	Magnesium	mg/L	72	52
Nickel ug/L 10 6 Nitrate (as NO3) mg/L 5.2 14.7 Potassium mg/L 5.1 4.4 Radon pCi/L 300 443 Selenium ug/L 5 4 Silica ug/L 27,813 n/a Silver ug/L 1.0 0.0 Sodium mg/L 227 178 Strontium ug/L 805 963 Sulfate mg/L 525 558 TDS mg/L 1,705 1,439 Thallium ug/L 1.0 0.0 TOC mg/L 2.2 0.6	Manganese	ug/L	880	778
Nitrate (as NO3) mg/L 5.2 14.7 Potassium mg/L 5.1 4.4 Radon pCi/L 300 443 Selenium ug/L 5 4 Silica ug/L 27,813 n/a Silver ug/L 1.0 0.0 Sodium mg/L 227 178 Strontium ug/L 805 963 Sulfate mg/L 525 558 TDS mg/L 1,705 1,439 Thallium ug/L 1.0 0.0 TOC mg/L 2.2 0.6	Mercury	ug/L	0.5	0.0
Potassium mg/L 5.1 4.4 Radon pCi/L 300 443 Selenium ug/L 5 4 Silica ug/L 27,813 n/a Silver ug/L 1.0 0.0 Sodium mg/L 227 178 Strontium ug/L 805 963 Sulfate mg/L 525 558 TDS mg/L 1,705 1,439 Thallium ug/L 1.0 0.0 TOC mg/L 2.2 0.6	Nickel	ug/L	10	6
Radon pCi/L 300 443 Selenium ug/L 5 4 Silica ug/L 27,813 n/a Silver ug/L 1.0 0.0 Sodium mg/L 227 178 Strontium ug/L 805 963 Sulfate mg/L 525 558 TDS mg/L 1,705 1,439 Thallium ug/L 1.0 0.0 TOC mg/L 2.2 0.6	Nitrate (as NO3)	mg/L	5.2	14.7
Selenium ug/L 5 4 Silica ug/L 27,813 n/a Silver ug/L 1.0 0.0 Sodium mg/L 227 178 Strontium ug/L 805 963 Sulfate mg/L 525 558 TDS mg/L 1,705 1,439 Thallium ug/L 1.0 0.0 TOC mg/L 2.2 0.6	Potassium	mg/L	5.1	4.4
Silica ug/L 27,813 n/a Silver ug/L 1.0 0.0 Sodium mg/L 227 178 Strontium ug/L 805 963 Sulfate mg/L 525 558 TDS mg/L 1,705 1,439 Thallium ug/L 1.0 0.0 TOC mg/L 2.2 0.6	Radon	pCi/L	300	443
Silver ug/L 1.0 0.0 Sodium mg/L 227 178 Strontium ug/L 805 963 Sulfate mg/L 525 558 TDS mg/L 1,705 1,439 Thallium ug/L 1.0 0.0 TOC mg/L 2.2 0.6	Selenium	ug/L	5	· 4
Sodium mg/L 227 178 Strontium ug/L 805 963 Sulfate mg/L 525 558 TDS mg/L 1,705 1,439 Thallium ug/L 1.0 0.0 TOC mg/L 2.2 0.6	Silica	ug/L	27,813	n/a
Strontium ug/L 805 963 Sulfate mg/L 525 558 TDS mg/L 1,705 1,439 Thallium ug/L 1.0 0.0 TOC mg/L 2.2 0.6	Silver	ug/L	1.0	0.0
Sulfate mg/L 525 558 TDS mg/L 1,705 1,439 Thallium ug/L 1.0 0.0 TOC mg/L 2.2 0.6	Sodium	mg/L	227	178
TDS mg/L 1,705 1,439 Thallium ug/L 1.0 0.0 TOC mg/L 2.2 0.6	Strontium	ug/L	805	963
Thallium ug/L 1.0 0.0 TOC mg/L 2.2 0.6	Sulfate	mg/L	525	558
Thallium ug/L 1.0 0.0 TOC mg/L 2.2 0.6	TDS	mg/L	1,705	1,439
TOC mg/L 2.2 0.6	Thallium	•	1.0	i
	TOC	=	,	l .
	Turbidity	,		
Zinc ug/L 148 35	1		ì	ì

Table 4 - Blended Water Quality with five wells

Constituent	Units	DRWQ	Average
Aluminum	ug/L	63	4.7
Antimony	ug/L	5	0.2
Aroma	units	2	1.1
Arsenic	ug/L	9	4.0
Barium	ug/L	107	51
Beryllium	ug/L	4	0.0
Bicarbonate	mg/L	363	253
Cadmium	ug/L	0.5	0.0
Calcium	mg/L	231	205
Chloride	mg/L	277	200
Chromium	ug/L	2.7	0.0
Color	units	92	5.5
Copper	ug/L	17	2.0
Fluoride	ug/L	765	813
Gross Alpha	pCi/L	15	2.6
Gross Beta	pCi/L	50	3.8
Iron	ug/L	2,310	1,072
Lead	ug/L	3.6	0.0
Magnesium	mg/L	72	46
Manganese	ug/L	880	514
Mercury	ug/L	0.5	0.0
Nickel	ug/L	10	4.1
Nitrate (as NO3)	mg/L	5.2	15
Potassium	mg/L	5.1	4.2
Radon	pCi/L	300	443
Selenium	ug/L	5	2.1
Silica	ug/L	27,813	n/a
Silver	ug/L	1	0.0
Sodium	mg/L	227	164
Strontium	ug/L	805	963
Sulfate	mg/L	525 .	490
TDS	mg/L	1,705	1,287
Thallium	ug/L	1	0.0
TOC	mg/L	2.2	0.6
Turbidity	NTU	30	14
Zinc	ug/L	148	38

Table 5 - Blended Water Quality with five wells

CVWD1, Kinoshita, Dance hall, SJBA4, & Tirador

Constituent	Units	DRWQ	Average
Aluminum	ug/L	63	2.8
Antimony	ug/L	- 5	0.2
Aroma	units	2	1.3
Arsenic	ug/L	9 .	8.3
Barium	ug/L	107	54
Beryllium	ug/L	. 4	0.0
Bicarbonate	mg/L	363	269
Cadmium	ug/L	0.5	0.0
Calcium	mg/L	231	217
Chloride	mg/L	277	215
Chromium	ug/L	2.7	0.0
Color	units	92	9.9
Copper	ug/L	17	0.0
Fluoride	ug/L	765	735
Gross Alpha	pCi/L	15	2.7
Gross Beta	pCi/L	50	4.1
Iron	ug/L	2,310	1,838
Lead	· ug/L	3.6	0.0
Magnesium	mg/L	72	52
Manganese	ug/L	880	890
Mercury	ug/L	0.5	0.0
Nickel	ug/L	10	5.1
Nitrate (as NO3)	mg/L	5.2	16
Potassium	mg/L	5.1	4.6
Radon	pCi/L	300	443
Selenium	·ug/L	5	3.9
Silica	ug/L	27,813	n/a
Silver	ug/L	1	0.0
Sodium	mg/L	227	182
Strontium	ug/L	805	917
Sulfate	mg/L	525	550
TDS	mg/L	1,705	1,427
Thallium	ug/L	. 1	0.0
TOC	mg/L	. 2.2	0.4
Turbidity	NTU	30	19
Zinc	ug/L	148	33

Table 6 - Blended Water Quality with three wells

CVWD1, Kinoshita, & SJBA4_			
Constituent	Units	DRWQ	Average
Aluminum	ug/L	63	2.7
Antimony	ug/L	5	0.4
Aroma	units	2	0.8
Arsenic	ug/L	9	0.0
Barium	ug/L	107	50
Beryllium	ug/L	4.	0.0
Bicarbonate	mg/L	363	223
Cadmium	ug/L	0.5	0.0
Calcium	mg/L	231	185
Chloride	mg/L	277	169
Chromium	ug/L	2.7	0.0
Color	units	92	1.7
Copper	ug/L	17	0.0
Fluoride	ug/L	765	. 510
Gross Alpha	pCi/L	15	3.3
Gross Beta	pCi/L	- 50	4.1
Iron	ug/L	2,310	497
Lead	ug/L	3.6	0.0
Magnesium	mg/L	72	39
Manganese	ug/L	880	250
Mercury	ug/L	0.5	0.0
Nickel	ug/L	10	1.9
Nitrate (as NO3)	mg/L	5.2	5.4
Potassium	mg/L	5.1	3.7
Radon	pCi/L	300	443
Selenium	ug/L	5 .	1.2
Silica	ug/L	27,813	n/a
Silver	ug/L	1	0.0
Sodium	mg/L	227	182
Strontium	ug/L	805	917
Sulfate	mg/L	525	363
TDS	mg/L	1,705	1,032
Thallium	ug/L	1	0.0
TOC	mg/L	2.2	0.4
Turbidity	NTU	30	4.1
Zinc	ug/L	148	38

STATE OF CALLFORNIA DUPLICATE WELL COMPLETION REPORT Driller's Copy Refer to Instruction Pamphiet Page 1 of No. e009695 Owner's Well No. Dancehall Date Work Began 7/11/2003 Ended 11/20/2003 Local Permit Agency Orange County Environmental Health Permit No. 03-03-53 Permit Date 3/21/2003 **GEOLOGIC LOG** ORIENTATION VERTICAL HORIZONTAL ANGLE DRILLING METHOD Mud Rotary FLUID Bentonite DEPTH FROM DESCRIPTION SURFACE 5 Clayey silt 15 Sandy silt 15 18 Fine to coarse sand

OWR USE ONLY - DO NOT FILL IN STATE WELL NO. / STATION NO. LATITUDE LONGITUDE APN/TRS/OTHER

WELL OWNER Name_ San Juan Basin Authority Mailing Address 27500 La Paz Road Laguna Niguel, CA 92656-3489 WELL LOCATION City, St. & Zip South End of Paseo Adelanto w/ Cross Street Del Obispo St. Address City San Juan Capistrano County Orange County 25 30 Very fine to fine sand with medium gravel APN Book 868 101 Page 03 Parcel 50 40 Fine to medium sand Township Range 8W 12 50 60 Latitude N33* 29min 31.0sec Longitude Medium to coarse sand W117* 39min 55,0sec 70 60 Fine sand with medium to to coarse grains LOCATION SKETCH ACTIVITY 70 80 Fine to medium sand Nocth X NEW WELL 90 80 Very fine to medium sand MODIFICATION/REPAIR 94 80 Cobbles; difficult drilling Deepen 94 114 Claystone; Capistrano Formation Dais Opiopo Sc **PLANNED USES** WATER SUPPLY City Hail illustrate or Describe Distance of Well From Roads. Drot P Buildings, Fences, Rivers, etc. and attach a map Use additional paper of necessary. PLEASE BE ACCURATE & COMPLETE WATER LEVEL & YIELD OF COMPLETED WELL DEPTH OF FIRST WATER (FL) BELOW SURFACE STATIC WATER LEVEL & DATE 18.5 (FL) TOTAL DEPTH OF BORING: (GPM) a TESTTYPE Constant Rate (Feet) ESTIMATED YIELD 1000 TOTAL DEPTH OF COMPLETED WELL (Hrs.) TOTAL DRAWDOWN (FL) 108 (Feet) TEST LENGTH

		BORE						CAS	ING (S)	·			AN	NULAR	MATE	RIAL
DEPTI	H FROM	HOLE		TY	PE			1			DEPTI	H FROM		TY	PE	
SUR	FACE	DIAL	84.	SCR-	CON	mu	MATERIAL	ID.	GAUGE/	SLOT SIZE	SUR	FACE		BEN-		FILTER
FŁ	to FL	Inch.	××	EEN	DUCT	PPE	GRADE	Inch	WALL	inch.	Ft. to	FL	CEMENT	TONITE	FILL	PACK
0	50	36			Х		Steel	30	0.375	N/A	0	50	Outer Senitary			10.3 Sac
0	75	24	X			H	316 Stainless	16	0.313	N/A	0	60	inner Sanbary			10.3 Saci
75	105	24		х			316 Stainless	16	0.313	0,070	60	114			XX	6x12 Blen
105	108	24	Х				316 Stainless	16	0.313	N/A						
0	104	24				х	316 Stainless	2	sch. 80	Treatment tube						
0	65	24		·		x	316 Stainless	3	sch. 80	Gravel Feed	· ·				-	· ·
				T	Г							"				

				
ATTACHMENTS		CERTIFICATION	STATEMENT	
Geologic Log	i, the	udersigned, certify that this report is complete an	ed accurate to the best of m	y knowledge and belief.
Weil Construction Diagram	NAME_	SOUTH WEST PUMP & DRILLING, IN	IC.	
Geophysical Log(s)	ADDRESS_	53-381 HWY 111, COACHELLA, CA 92	236	· · · · · · · · · · · · · · · · · · ·
Soil/Water Chemical Analysis				
Other	Signed	a Make	1/14/2004	723919
ATTACH ADDITIONAL INFORMATION.	W	ELI DRILLERIAUTHORIZED REPRESENTIVE	DATE	C-57 LICENSE NUMBER

WELL DRILLING AND CONSTRUCTION SUMMARY Capistrano Valley Water District - San Juan Basin Desalter Project

Well I.D.:	Dance Hall	Well
	Depth (feet bgs)	Description
Aquifer Materials (depth in feet below ground surface)	65-80	fine-med sand
	80-94	fine-cse sand with gravel lenses
	94-113	sand, gravel, cobbles
		
Capistrano Fm. (top depth, feet bgs)	113	
Well Completion		
Blank Casing (feet bgs)	0-77.5	T
Screen Interval (feet bgs)	77.5-107.5	
Slot Size (inch)	0.070	
Filter Pack Interval (feet bgs)	50-113	
Filter Pack Gradation	6 x 12	
Cellar Interval (feet bgs)	107.5-110.5	
Sanitary Seal (feet bgs)	0-50	<u> </u>
	and the first committee of the same of the	
Walk Capacity	and the second second	
Rate of Constant Rate Test (gpm)	· · · · · · · · · · · · · · · · · · ·	1000
Specific Capacity (gpm/ft)	<u> </u>	21.6
Pumping Level (feet bgs)		64.7
Estimated Longterm Pumping Rate (gpm)		1000

	7	7	1	7	7	T	1	-	1
Time	Orfice "	G.P.M.	S.W.L	Rumping Level	Drawdown	Eng R.P.M.	Yield	Clean Up Time	Remarks
00:00:00 6:00 AM	NA	833	18.3	NA	NA	880,	N	Z.	-
00:00:30	X X	.833	18.5	N	N.A	NA.	N/A	N/A	
00:01:00	N	833	18.5	40.0	21.5	NA.	38.74	NA	
00:01:30	Z	833	18.5	40,5	22	NA	37.86	N/A	
00.02.00	7	833	18.5	41.0	22.5	NA	37.02	N/A	
00:02:30	N/A	833	18.5	.42.0	23.5	NA	35.45	NA	
00:03:00	NA	833	18.5	43.5	24	N/A	34.71	N/A	
00:03:30	NA	833	18.5	:42.75	24.25	NA	34.35	NA	
00:04:00	N.	833	18.5	42.75	24.25	NA	34.35	N/A	, ,
00:04:30	N/A	833	18.5	43.0	24.5	N/A	34.00	N/A	į
00:05:00	N/A	833	18.5	43.5	25	N/A	33.32	NA	
00:06:0p	N/A	833	18.5	43.5	25	N/A	33.32	ŃΑ	
00:07:00	N _N	833	18.5	43,5	25	NA	33.32	NA	
00:08:00	₹.	833	18.5	43.9	25.4	N/A	32.80	N/A	
00:09:00	NA.	833	18.5	44.0	25.5	NA	32.67	N/A	
00:10:00	Z S	833	8.5	44.0	25.5	930	32.67	NA A	
00:15:00	Z	833	18.5	44.5	26	N/A	32.04	NA	-
00:20:00	NA-	833	18.5	45.0	26.5	NA	31.43	NA.	

Kemard: Step Test V.W. Sareer Page: 4	Customer: ARB	Tested By: Doug Johnson Well Depth: 109	Location: Dance Hall	Coachella, CA 9223 Office: 800.770.736
	Discharge Pipe: 8"	Vell I.D.: 16" Staric Level: 18.5"	Remarks: Step Test	Fax: 760.388.228
	Bow Osed: 12 NXI	Type Perfs: R.M. W.W. Screen	Page: 4	

) BY	•		,	2000	5			
00:25:00	N.	833	18.5	45.0	26.5	₹ .	31.43	Z.		
00:30:00	N.A	833	18.5	45.25	26.75	NA.	31.14	Z₩		
00:35:00	N/A	783	18.5	45.5	27	NA	29.00	NA		
D0:40:D0	NA	783	18,5	45.75	27.25	Z¥	28.73	\		
00:45:00	Z	783	. S.81	45.75	27.25	NA	28.73	NA.		
00:50:00	N/A	783	18.5	46.0	27.5	NA	28.47	NA		
00:55:00	WW	783	5.81	46.0	27.5	NA	28:47	N.A		
00:00:10	Z	γ83	18.5	46.2\$	27.75	NA	28.22	NA.		
01:15:00	N.	783	18.5	47.0	28.5	N.	27.47	N/A		
01:30:00	Z.	783	. i8.5	47.0	28.5	NA	27.47	NIA		
01:45:00	NA	783	18.5	47.0	28.5	NA	27.47	N/A		
02:00:00	NA	783	18.5	∄7.0	28.5	NA	27.47	NA		
02:15:00	2	763	18.5	47.0	28.5	NA	26.77	NA		
02:30:00	NA	763	5.81	47.0	28.5	NA	26.77	NA		
02:45:00	NA	763	5.81	47.0	28.5	AIN	26.77	NA		
03:00:00	V	763	18.5	47.0	28.5	NW	26.77	NA		-·-i
03:00:30	N.	763	18.5	51.5	εε	N/A	23.12	NA		
	7	1	5	5	35.5	Z.	21.49	Z *	_	

		Holus Pumped To Date: 34	Hours, Pumped This Day: 10
	Page: S	Type Perfs: R.M. W.W. Screen	Bowl Used: 12 NKH
ray	- Associated	Static bevel: 18,5	Orace Dia: N/A
Offic	Remarks: Stan Test	Well LD: 16\	Customer ARB
Coac	Location: Dance Hall	Tested By: Daug Johnson	Date: 11-07-03
53-31			Lamb feet gebole
1.44103			

						-	•		-	
		N/A	26.67	NA	37.5	56.0	18.5	1000	NA	03:35:00
	,	NA	26.67	N/A	37.5	56.0	18.5	1000	NA	03:30:00
		N/A	26.67	N/A	37.5	56.0	ίβ.5	1000	N/A	03:25:00
		NA	26.49	N/A	37.75	56.25	18.5	ιορο	NA	03:20:00
		NA	26.67	NA	37.5	56.0	18.5	1000	Z ĭ	03:15:00
		NA	26.67	1025	37.5	56.0	18.5	1000	Z)A	03:10:00
	j	N.	20.48	N/A	37.25	\$5.75	18.5	763	Z.	03:09:00
		NIA	20.48	NA	37.25	\ss.75	18.5	763	Z	03:08:00
		N/A:	20.76	NA	\36.75	55.25	18.5	763	NA	03:07:00
		NA	20.62	NA	37	\$5.5	18.5	763	NA	03:06:00
		N/A:	20.76	NA	36.75	55.25	18.5	763	NA	03:05:00
	-	NA	20.62	Z	\37	55.5	18.5	763	NA ·	03:04:30
		NA.	20.62	Z	37	55.5	18.5	763	X	03:04:00
		NA	20.76	Z	36.75	55.25	18.5	763	NA	03:03:30
		NA	20.90	NIA	36.5	55.0.	18.5	763	N/A	03:03:00
	-	NA	20.90	NA	36.5	55.0	18.5	763	NA	03:02:30
	1 1	NA	21.05	NA	36.29	54.75	18.5	763	NA	03:02:00
		NA	21.19	NIA	36	54.5	18.5	763	WA	03:01:30
	Remarks	Olean Up Time	Yield	Eng R.P.M.	Drawdown	Pumping Level	S.W.L.	G.AM.	Orifice "	Time
		. - -			- 	-				
		-	•		q Date: 34	Houis Pumped Tq Da	- ਰ	7: 10	Hours Pumped This Day:	Hours Fum
				Page: 6	/. Screen	Type Peris, R.M. W.W. Screen	Type Service		ZNKI	Bowl Used: 12 NKH
Fax: 760.398.2287	Fax: 760		p Test	Remarks: Step Test		Well.D.: 16	W		19 (S)	Discharge Pipe: 8"
CA 92236	Coachella, CA 92236		ince Half	Location: Dance Half	3	Tested By: Daug Johnson Well Depth: 109'	× i		7-03 ARB	Date: 11-07-03
PANAL 141	53-384 Highway 141			•	• •			-1-4	rump lest Report	Palmo H
Co Carrie										

Time	Onlice	G.P.M.	s.w.L	Pumping Level	Drawdown	Eng R.P.M.	Yield	Clean Up Time	Remarks
03:40:00	NA	Ισορ	18.5	55.75	37.25	N/A	26.85	N/A	
03:45:00	N.A.	1000	18.5	55.5	37	N/A	27.03	N/A	
03:50:00	Z S	1000	18.5	55.0	36.5	N/A	27.40	NA	
03:55:00	NA	1000	18.5	55.25	36.75	NA	27.21	NA	
04:00:00	NA	1000	18.5	55.5	37	NA	27.03	N/A	
04:15:00	NA	1000	18.5	56.0	37.5	N/A	26.67	N/A	
04:30:00	NÃ	1000	18.5	56.0	37.5	N/A	26.67	N/A	
04:45:00	NA	1000	18.5	56.0	37.5	N/A	26.67	N/A	
05:00:00	NA	1000	18.5	55.75	37.25	N/A	26.85	N/A	
05:15:00	N/A	, 0001	18.5	56.0	37.5	N/A	26.67	NA	
05:30:00	3	1000	18.5	0.95	37.5	NA	26.67	NA	
05:45:00	Z×	1000	18.5	56.0	37.5	NA	26.67	N/A	
06:00:00 12 PM	7/2	NA	Z	N/A	N/A	NA	NA	NA	
06:00:30	N/A	1250	18.5	65.0	46.5	NA	26.88	NA	
06:01:00	Z _S	1250	18.5	66.0	47.5	N/A	26.32	N/A	
06:01:30	N/A	1250	18.5	67.0	48.5	NA	25.77	NA	
06:02:00	N.	1250	18.5	67.0	48.5	NA	25.77	NA A	

	1	Hours Pumped To Date: 34	Hours Pumped This Day: 10
	Page: 7	Static Level: [8,5]	Point Fact 13 NO
Office: 800,770,7360 Fax: 760,398,2287	Remarks: Step Test	Well I.D.: 16*	Discharge Pipe: 8"
53-387 Highway 111 Coachella, CA 92238	Location: Dance Half	Tested By: Doug Johnson	Date: 11-07-03
South Hert Pump & Brill			Puna lot Room

06:03:30 06:04:30 06:04:30 06:05:00 06:05:00 06:07:00 06:07:00 06:07:00	NA NA NA NA	1250 1250 1250 1250 1250 1250 1250	18.5 18.5 18.5 18.5 18.5	66.25 66.0 66.0 66.0 66.25 66.25	47.75 47.5 47.5 47.5 47.75 47.75		26.18 26.32 26.32 26.32 26.32 26.18 26.18		
06:08:00	₹ ₹ ₹	1250 1250 1250	18.5	66.25 66.25 66.5	47.75 47.75 48	Z Z Z	26.18 26.18 26.04		NA NA
06:10:00	Z	1304	18.5	66.75	48.25	Z Z	26.04		N/A
06:20:00	₹	1304	18.5	66.0	47.5	ZA	27.45		N/A
06:25:00		304	18.5	65.5	47	1200 X	27.74		2 2
06:35:00	*	1195	18.5	65.75	47.25	Z	25.29		N/A
06:40:00	Z ≯	1195	18.5	65.75	47.25	NA	25.29		Z

		Hours Pumped To Date: 34	Hours Pumped This Day: 10
	Page: 8	Type Perfs: R.M. W.W. Screen	Bowl Used: 12 NKH
		Static Level: 18.5	Orifice Dia: N/A
Fax: 760.398.2287	Remarks: Sep Test	Well I.D.: 16"	Discharge Pipe: 8"
Office: 800.770.7360		Well Depth: 109	Customer: ARB
Coachella, CA 92236	Location: Dance Hall	Tested By: Doug Johnson	Date: 11-07-03
SSIGN HIT FURN & STILLING			Pump Test Report

08:04:30	00:07:00	00.04.00	08:03:30	08:03:00	08:02:30	08:02:00	08:01:30	00:10:80	08:00:30	08:00:00	07:45:00	07:30:00	07:15:00	07:00:00	06:55:00	06:50:00	06:45:00	Time
	NA	N/A	N/A	Z _N	Z.	N/A	NA	Z/A	N/A	N/A	Z ≯	Z	2	N/A	NA	Z	Z	Onfice *
-	1466	1466	1466	7466	1466	1466	1466	1466	1466	1466	1200	1200	1200	1200	1200	1200	1170	G.P.M.
	18.5	18.5	18.5	18.5	18.5	18.5	18.5	18.5	18.5	18.5	18.5	18.5	18.5	18.5	18.5	18.5	2.81	S.W.L.
	73.75	73.25	73.25	73.0	73.0	72.5	72.5	70.0	66.0	65.75	65.5	65.5	66.0	66.0	66.0	66.0	66.0	Pumping Level
	SS 25	54.75	54.75	54.5	54.5	35	54	51.5	47.5	47.25	47	47	47.5	47.5	47.5	47.5	47.5	Drawdown
	NIA	NA	N/A	NA	NIA	NA	NA	N/A	N/A	NA	N/A	NA	N/A	NA	NIA	N/A	N/A	Eng R.P.M.
	26.53	26.78	26.78	26.90	26.90	27.15	27.15	28.47	30.86	31.03	25,53	25.53	25,26	25.26	25.26	25.26	24.63	Yield
	NA	₹	X	Z.	Z ≸	Z.	NA	NA	NA	N.	N.	Z.X	NA A	N/A	N/A	N/A	Z	Clean Up Time
											-							Remarks
												_			-			

-		Hours Pumped To Date: 34	Hours Pumped This Day: 10
	Page: 9	Type Peris: R.M. W.W. Screen	Bowl Used: 12 NKH
		Static Level: 18.5	Orifice Dia: N/A
Fax: 760.398.2287	Remarks: Step Test	Well 1.D.: 16"	Discharge Pipe: 8*
Office: 800.770.7360		Well Depth: 109	Customer: ARB
Coachella. CA 9223	Location: Dance Half	Tested By: Doug Johnson	Date: 11-07-03
SOUTH NOT PURE & STUIN			Pump Test Report

Time	Oritice	G.Þ.M.	J.W.S	Purhping lievel	Drawdown	Eng R.P.M.	Yield	Clean Up Time	Remarks
08:06:00	NA	1466	18.5	74.0	55.5	N/A	26.41	NA	
08:07:00	N/A	1466	18.5	74.0	55.5	NA	26,41	AW	
08:08:00	NA	1466	18.5	74.0	5.53	N/A	26.41	N/N	-
08:09:00	N/A	1466	18.5	74.0	55.5	NA	26.41	N	
08:10:00	Z ►	1466	2.81	74.0	55.5	N/A	26.41	N	
08:15:00	N/A	1466	18.5	75.0	56.5	NA	25.95	NA	
08:20:00	N/A	1466	18.5	74.5	56	KWA	26.18	N	
08:25:00	NA	1466	:5.81	74.5	56	NVA	26.(8	NIN	
08:30:00	N/A	1466	18.5	74.5	56	NIA	26.18	NA	<u>.</u>
08:35:00	NA	1466	18.5	74.75	56.25	NA	26.06	NA	<u>-</u> .
08:40:00	NA	1466	18.5	75.0	56.5	Z S	25.95	N/A	-
08:45:00	N/A	1466	18.5	75.5	57	N.A	25.72	NA	
08:50:00	NA	1466	18.5	76.0	\$7.5	NA	25.5b	NIA	
08:55:00	N/A	1466	18.5	76.0	57.5	NA	25.50	NA	
09:00:00	NA	1466	18.5	76.0	57.5	NA	25.50	NA	-
09:15:00	N/A	442	18.5	77.0	\$8.5	1425	24.65	NA	_
09:30:00	N/A	1442	18.5	78.0	\$9.5	1425	24.24	NA	

c	Remarks: Step Test	Well.D.: 16"	Discharge Pipe: 8"
Coachella, CA 92236	Location: Dance Hall	Tested By: Doug Johnson Well Demh: 109*	Date: 11-07-03
	•		Pamp lot Report

-	₹	24.24	1425	59.5	78.0	18.5	1442	₹	10:00:00 4:00 PM
1	NA	24.24	1425	59.5	78.0	18.5	1442	Z N	09:45:00
Remarks	Clear Up Tirite	Yield	Ehg RP.M.	Drawdown	Fumping Level	7.W.S	G.P.M.	Office.	Time
1			#						
				Page: 11	To Date: 34	Type Perfs: R.M.W.W Screen Hours Pumped To Date: 34		Day: 10	Bowl Used: 12NKH Hours Pumped This Day: 10
Fax: 100,380.2201	2				Ϋ́	Static Level: 18.5"			Online Dat NA
: :: : ::	Office		Remarks: Step Test	Remarks	30	Well Depth: 109			Customer: ARB
12 TH	53-381 Highway 111 Coachella, CA 92236		Location: Dance Hall	Location	ncandol gr	Tested By: Doug Johnson			Date: 11-07-03
37	Seath Hot Pump & Militag		•					3	Parma Test Report

						-			i	
Time (min)	Orifice *	G.P.M.	J.W.S	Pumping Level	Drawdown	Eng RPM.	Yield	Clean Up Time	Remarks	
00:00:00	N/A	1000	18.5	NA	N/A	NA	Z	NA	·	
00:00:30	N.	1000	18.5	N/A	NA	N/A	NA	NA		
00:01:00	NVA	1000	18.5	46.0	27.5	NA	36.36	N/A		
00:01:30	Z	1000	18.5	47.0	28.5	NA	35.09	NA		
00:02:00	NA	1000	18.5	48.0	29.5	NA	33.90	NA		
00:02:30	ZX	1000	18.5	50.0	31.5	WA	31.75	N/A		L
00:03:00	Z/A	1000	18.5	50.0	31.5	N/A	31.75	NA		
00:03:30	N	1000	18.5	49.5	31	NIA	32.26	NA		
00:04:00	NA	1000	18.5	0.15	32.5	NA	30.77	Z _N		
00:04:30	≸ .	1000	18:5	52.0	33.5	NA	29.85	N/≯		}
00:0SI00	Z _N	1000	2.81	52.0	33.5	N/A	29.85	NA		
00:06:00	\$.	1,000	18.5	52.0	33.5	N/A	29.85	Z.		
00:07:00	Z/X	1000	18.5	52.0	33.5	NA	29.85	NA		}
00:08:00	Z.	1000	18.5	S2.25	33.75	NA	29.63	NA		}
00:09:00	2	1000	18.5	\$2.5	34	NA	29.41	₹		} .
00:10:00	2	1000	18.5	\$2.75	34.25	NA	29.20	N.	Totalizer 56,622	} ,
00:11:00	Z ≸	1000	18.5	53.0	34.5	N.A	28.99	Z¥		
00:12:00	Z	1000	18.5	53.0	34.5	N/A	28.99	N/A		

(24 hours)	Yven I.D.: 16" Static Level: 18.5" Type Perfs: R.M. W.W. Screen	Orifice Die: NA Bow Used: 12 NKH
		Orifice Dia: N/A
		1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1
Ramade: Constant Bate Test		Dicharge Pine: 8"
Office: 800,770,7360	Well Depth: 109	Customer: ARB
	Tested By: Doug Johnson & David Lewis Location: Dance Hall	Date: [1-08-03
53-381 Highway 441		rump lest keport

		-								
Time	Orifice "	G.P.M.	S.W.L.	Pumping Level	Drawdown	Eng R.P.M.	Yield	Clean Up Time	Remarks	
00:13:00	NA	1000	185	53.0	34.5	NIA	28.99	NA		
00:14:00	. N/A	1000	18.5	53.25	34.75	NIA	28.78	NIA		
∞.15:00	NA	1000	18.5	53.5	35	NIA	28.57	NIA		
00:20:00	NA	1000	18.5	53.5	35	NVA	28.57	NA	56,632 @ (20.5 mm)	
00:25:00	N/A	1000	18.5	\$4.0	35.5	NIA	28 17	NA		
00:30;00	NIA	1000	18.5	54.5	36	NIA	27.78	NA		`
00:35:00	NA	1000	18.5	55.0	36.5	NA	27.40	₹		
00:40:00	N/A	1000	18.5	55.75	37.25	NA	26.85	¥ ≫	56,652	
00:45:00	NA	1000	18.5	56.0	37.5	NA	26.67	NA		
00:50:00	N/A	1000	18.5	56.0	37.5	NA	26.67	Z.		
00:55:00	NA	1000	18.5	56.0	37.5	N N	26.67	N A		
.61:00:00	NA	1000	18.5	56.0	37.5	Z.	26.67	₹		
01:15:00	¥	1000	18.5	55.5	37	₹	27.03	Z _i		-
01:30:00	NA	1000	18.5	55.0	36.5	Z ≯	27.40	Z S		-
01:45:00	NA	1000	18.5	55.0	36.5	N/A	27.40	Z∯A		_
02:00:00	N.	1000	18.5	.54.5	36	Z	27.78	₹		
03:00:00	₹	1000	18.5	54.5	36	NÃ	27.78	Z	56,792	
04:00:00	N/A	1000	18.5	54.5	36	N/A	27.78	NA		

Ā		Page: 13	Hours Pumped To Date: 58	Hours Pumped This Day; 24
Well Depth: 109' Static Level: 18.5' CDAVID Lewis Location: Dance Half Well Well Depth: 109' Well I.D.:16' Static Level: 18.5' Remarks: Constant Rate Test (24 hours)	, , , , , , , , , , , , , , , , , , , ,		Type Perfs: R.M. W.W. Screen	Bowl Used: 12 NKH
Tested By: Doug Johnson & David Lewis Location: Dance Half Well Well Depth: 109' Well.D.:16' Remarks: Constant Rate Test		(24 hours)	Static Level: 18.5	Orlice Dia: N/A
Tested By: Doug Johnson & David Lewis Location: Dance Hall Well Well Depth: 109'	Fax: 760,398,2287	lemarks: Constant Rate Test		Discharge Pipe: 8"
Tested By: Doug Johnson & David Lewis Location: Dance Hall Well	Office: 800.770.7360			Customer: ARB
	Coachella, CA 92236	ocation: Dance Hall Well	Tested By: Doug Johnson & David Lewis L	Date: 11-08-03
	53-381 Hobway 111	•		rump lest keport